Part-time Studies, Distance Education, Continuing Education and Cultural Activities of

The University of British Columbia

1986-1987

PART-TIME STUDIES, DISTANCE EDUCATION, CONTINUING EDUCATION AND CULTURAL ACTIVITIES 1986-1987

A Report to the President

the Senate and

the Board of Governors

September 1, 1986 - August 31, 1987

CONTENTS

Introduction	1
Office of Extra-Sessional Studies	5
Faculty of Education Off Campus Credit Courses	8
UBC Access: Guided Independent Study	9
Centre for Continuing Education	13
Division of Continuing Education in the Health Sciences	27
Professional Programs of the Faculty of Commerce and Business Administration	36
Professional Continuing Education Program of the School of Social Work	39
Professional Continuing and Distance Education Activities of the Faculty of Agricultural Sciences	42
Professional Continuing and Distance Education Activities of the Faculty of Education	44
Professional Continuing and Distance Education Activities of the Faculty of Forestry	47
School of Physical Education and Recreation Community Sport Services Adult Program	49
Museum of Anthropology: Exhibits and Programs	50
UBC Botanical Garden	53
Free Public Lectures, Courses, Seminars	54
Demonstrations, Scientific Exhibits and Public Information Service	57
Public Concerts, Theatre Performances and Art Exhibits	58
Meetings of Learned and Professional Societies	61
Province-wide Continuing Education Services	62
UBC Speakers Bureau	63
Statistical Summary of UBC Continuing Education Programs 1986-87	64

INTRODUCTION

This is the eleventh comprehensive annual report on continuing education activities of The University of British Columbia. The first report, for academic year 1976-77, covered only activities of the then five designated units responsible for continuing education. This report, covering the period from September 1, 1986 to August 31, 1987 attempts to cover the much broader scope of continuing education opportunities offered by UBC through many of its faculties, schools and departments. For the years 1983-84, 1984-85, and 1985-86, this report included only information on the non-credit activities of the University. This year, 1986-87, the part-time degree credit programs again have been included.

The provision of continuing education by UBC is decentralized. Several administrative units are responsible for credit and non-credit general and professional continuing education and professional development.

The major administrative units are the Office of Extra-Sessional Studies, UBC Access: Guided Independent Study, the Distance Education Office of the Faculty of Education, the Centre for Continuing Education, the Division of Continuing Education in the Health Sciences, the Professional Programs of the Faculty of Commerce and Business Administration, the Continuing Education Program in Social Work, the Continuing Education and Communications Division of the Faculty of Agricultural Sciences, and the Off campus Programs in Continuing Education of the Faculty of Forestry.

In addition, other units of the University, among these The Botanical Garden, the Museum of Anthropology, the UBC Research Forest, the School of Music and the Theatre Department provide considerable continuing education and cultural opportunities through lectures, demonstrations, exhibits, film showings, concerts, recitals and readings.

Free public seminars and lectures are organized by a number of academic departments and institutes, and public services such as the Hortline are provided to the public. In these ways UBC contributes significantly to the education of adults, the dissemination of knowledge, and the cultural life on the Lower Mainland and further afield.

The University of British Columbia in its mission statement, issued in November 1977, afforded an important place to continuing education. In the statement of its mission the University included among the four responsibilities "a wide array of programs in continuing education for the general public and for the professions". Further on the University listed among its goals and objectives:

> To expand continuing education programs for the general public and, in co-operation with professional associations, to increase opportunities for continuing education in the professions. The University believes that all such programs are of great importance to the public and the professions.
>
> To continue to render direct service to the public by providing non-University users with access to the Library, the Computing Centre, the Museum of Anthropology, the Botanical Garden, the research forest at Haney and the University's attached facilities. The objective is to provide the general public with opportunities to participate in University programs and to develop active interfaces with the University.

Service provided by the University to non-metropolitan areas was maintained at a more or less same level as in 1985-86, in spite of the very difficult economic conditions. This is in no small measure due to the commitment and ingenuity of professional program staff and faculty involved. The province-wide delivery of continuing education programs was carried out through the use of correspondence courses, video-taped courses, courses televised on the Knowledge Network, audio teleconferencing, and on-site courses. A part of this service was assisted by designated funds provided by the Ministry.

The economic situation in British Columbia still had some adverse effect on the provision of and participation in professional continuing education. Among programs affected negatively were continuing education programs in Architecture, Engineering, Audiology and Speech Sciences, Dentistry, Nursing, Social Work, Agriculture, and the Diploma, Certificate and Real Estate Divisions of the Faculty of Commerce and Business Administration.

However, there were also some marked gains in several of the professional continuing education program areas. The most notable was the reintroduction of programs in Forestry. Education again experienced a substantial increase in registrations. Several other program areas, which suffered set-backs in 1985-86 but recovered much of the lost ground in 1986-87, were Continuing Medical Education, Pharmacy, and Executive Programs in Commerce.

General education programs of the Centre for Continuing Education, which declined by 11.75% in 1984-85 and just held their own in 1985-86, were up by 3.31% in 1986-87.

The overall figures for UBC non-credit continuing education offered by the designated administrative units were 66,874 registrations in 1985-86, and 78,464 in 1986-87, an increase of 17.33%.

In addition to the official University-sponsored activities, individual faculty members provide a considerable contribution to continuing education in British Columbia through participation in continuing education programs of other institutions as well as through voluntary and professional associations. However, these activities are not reflected in this report.

This report is an attempt to gather information on and to convey the scope of the many varied activities and services through which The University of British Columbia enhances the quality of life in British Columbia. Due to the decentralized nature of much of this, it is very difficult to document adequately the level and breadth of this contribution. It is hoped that both the gathering of information and the reporting will be refined further in subsequent annual reports.

PART-TIME STUDY CREDIT PROGRAMS

OFFICE OF EXTRA-SESSIONAL STUDIES

During the academic year, September 1, 1986 to August 31, 1987, the Office of Extra-Sessional Studies completed its eleventh year of operation. As projected, a significant number of students are attending the University on a part-time basis during the day and evening throughout the year.

The primary goal of the Office of Extra-Sessional Studies is to provide for the academic accommodation of part-time students. To encourage faculties and departments to provide programs and courses based on the special needs of the part-time student is the on-going objective. Considering the budgetary constraints, the unpredictability of student demand, and the availability of faculty, the general consensus is that the academic needs of the part-time student population are still being met.

Winter Session

A total of 391 after 4:30 courses were given through either this Office or as departmental on-load offerings. These courses enrolled 7,702 students, 5,349 of whom were full-time students, a decrease of 419 full-time from 1985-86.

The number of part-time students registered in the 1986-87 late afternoon and evening Winter Session courses was 2,353. Of this number, 857 were taking only evening or late afternoon courses; the remaining 1,496 were taking at least one daytime course. This figure (2,353) represents a decrease of 43 student registrations (2%) from 1985-86, which indicates that the part-time student enrollments over the past two Winter Sessions have remained rather constant.

The above data indicates that 69% of those registered in after 4:30 classes were full-time students, and 31% were part-time students. This two-third/one-third ratio of full to part-time students has been the general trend over the past seven years. Indications are that full-time students can schedule a more flexible timetable by taking one or two evening courses, thus freeing up blocks of time during the day for study or employment.

Spring Session

The 1987 Spring Session enrolled 3,179 students. This represents a decrease of 95 students (-.03%) from the 1986 enrollment of 3,274. In the 1987 Spring Session, there were 140 on campus sections with 3,311 enrollees. This compares with 152 sections in Spring Session 1986 with 3,466 enrollees. The average enrollment per undergraduate section was 24.81, compared to 22.27 in 1986. Of the 140 courses offered, 20 were graduate courses that enrolled 334 students or 16.7 students per section.

As is the case in most Spring Sessions, the majority of the students attended the previous Winter Session on a full-time basis. For the 1987 Session, 82% of the students were full-time in the previous Winter Session. This indicates that many full-time students are using this Session as a way of accelerating their degree program by picking up extra courses and making up deficiencies.

Summer Session

The 68th Summer Session of the University enrolled 3,481 students compared to 3,275 students in 1986; this is an increase of 206 students (6%).

Of the 3,481 students enrolled in the 1987 Summer Session, 1,007 students were registered in Arts, 90 in Commerce, 404 in Science and 1,251 in Education. Of the remaining 729 students, 426 were in Agricultural Science, Applied Science, Nursing, Forestry, Pharmacy, and 303 were unclassified or qualifying students.

In the 1987 Summer Session, there were 269 sections with 4,359 enrollees. This compares with 270 sections in the 1986 Summer Session with 4,022 enrollees. The 1987 average enrollment in 194 undergraduate sections was 19.05, and 8.85 for 75 graduate courses. The 1986 and 1987 Summer Sessions were virtually the same in sections offered (270 and 269 respectively). However, there was an 8% increase (337 course enrollments) over the 1986 figure (4,022 to 4,359).

Calendar

Since 1981 this Office has produced its two annual calendars by computer, a first for the University which has resulted in considerable savings in budget and staff time. This innovative concept also resulted in this Office winning the creative programming award in the Administrative category at the 1986 WASSA (Western Association of Summer Session Administrators) conference in Hawaii. Also, each calendar is dedicated to a particular subject or department on campus; the artistic and pictorial resources from these departments are used on the colour cover and the body of the calendar. To date, we have featured the Education Art Department (Spring and Summer 1981); Theatre Department (Winter 1981-82); the Asian Studies and Fine Arts Departments (Spring and Summer 1982); Museum of Anthropology (Winter 1982-83); Botanical Garden (Spring and Summer 1983); Computer Science (Winter 1984-85); the Geography Department (Spring and Summer 1985); History Department and Library Archives during Vancouver's Centennial (Winter 1985-86); Facilities Planning Department (Spring and Summer 1986); Geological Sciences Department and Museum (Winter 1986-87); School of Music (Spring and Summer 1987); and Biomedical Communications Division of the Faculty of Medicine (Winter 1987-88).

Part-time Student Profile

The profile of the part-time student has been unavailable due to the difficulty and expense involved in designing a computer program which would make the following information available.

(1) What percentage of the total degree units taken at UBC are taken by part-time study?*
   (a) during the Winter Session
   (b) during the Spring Session
   (c) during the Summer Session

(2) What percentage of the total degree units are taken by part-time study in those departments that offer completion by part-time study?**

*Part-time study: Those students taking under 12 units of study during Winter Session or units in Spring or Summer Sessions.

**Departments and Faculties: Anthropology, Asian Studies, English, Fine Arts, French, History, Psychology, Sociology; Science/Mathematics, Education; and the MBA in Commerce.

In 1986 the Office of Extra-Sessional Studies hired a commerce graduate student to hand count the students who graduated in the Fall 1985 and the Spring 1986, from the eight Arts departments offering degree completion through part-time study. The following observations were made:

(1) Fall graduates (sampled 89 students) take more units by part-time study than Spring graduates (sampled 426 students).
(2) 92% of the Fall graduates used part-time study to complete their degree.
(3) 68% of the Spring graduates used part-time study to complete their degrees.

(4) Of the Fall graduates, 60% took from 10% to 39% of their degree units by part-time study.

(5) Of the Spring graduates, 49% took from 10% to 39% of their units by part-time study.

A more complete analysis of these data will be contained in the 1986-87 Extra-Sessional Studies Director's Report.

EXTRA-SESSIONAL ENROLLMENT 1986-87

	Sections	Enrollees
Winter Session	391	2,353
Spring Session	140	3,311
Summer Session	169	4,359
TOTAL EXTRA-SESSIONAL ENROLLMENT		10,023

FACULTY OF EDUCATION OFF CAMPUS CREDIT COURSES

In addition to the extensive non-credit activities evidenced further on, the Faculty of Education regularly offers credit courses for practicing teachers. Courses are offered to help teachers complete undergraduate programs, obtain post-baccalaureate Diplomas in Education or earn credit toward graduate degrees. Courses are offered throughout the province using a mixture of delivery strategies including on-site face-to-face instruction, educational television, and teleconferences.

FACULTY OF EDUCATION
OFF CAMPUS CREDIT COURSE ENROLLMENT 1986-87

Number of Courses	Number of Units	Number of Enrollees
66	104	1,102

UBC ACCESS: GUIDED INDEPENDENT STUDY

Student Services

Students taking UBC credit courses by distance education require an increasing number of special services in connection with delivery and completion of those courses. In 1986-87, Guided Independent Study continued to provide a major portion of these special services, including management of separate student files, coordination of tutors, and ordering of course texts for the Bookstore and reference materials for the Extension Library. In addition, GIS staff organized on campus laboratory sessions and audio-teleconferences for several courses.

During the past year, provision of the best service possible to students was again one of the principal objectives for Guided Independent Study. Use of the free long distance telephone service for students continued to grow. A total of 3,211 calls was made by or to students in the fiscal year, and involved tutors, the Bookstore, the Library, the Guided Independent Study office, and several other UBC administrative offices. Laboratory sessions for four Forestry courses were held at UBC and attended by 71 students. For the second year audio-teleconferences were conducted in Guided Independent Study courses. Four courses in Nursing and Forestry held a total of 13 teleconferences with over 200 participants during the period.

Development

Guided Independent Study staff were involved in both development and delivery of three new courses. The opening of another Nursing course brought to five the number of courses now offered for post-RN students in the BSN degree completion program. Over half that program is now available through distance education and further course developments are continuing or scheduled. The first two courses in the Agricultural Sciences program were opened in 1987, and two further course projects from that Faculty are now under way.

The Guided Independent Study development staff continued to provide assistance in preparation of print materials for development projects in the Distance Education Office (Faculty of Education). In the past year editorial and word-processing support was given for two minor revisions and two new courses.

Minor revisions were carried out in several Guided Independent Study courses--four in Forestry, three in Arts, two in Nursing, and one in Adult Education.

New Directions

A new information brochure for the Nursing program was published for province-wide distribution this fall. Similar brochures are planned for other distance education programs offered by the University.

In collaboration with the Education Measurement Research Group, Guided Independent Study prepared a new final course evaluation form. The form was approved by members of the UBC Coordinating Committee for Distance Education for use with all distance education courses.

Negotiations were carried out between UBC representatives and the Open Learning Agency to arrange for transfer to the the Open University of the first and second year Arts courses offered through Guided Independent Study. The July 1987 session was the final one at UBC for the ten courses involved. From September 1987 the Open University will assume ownership and all administrative responsibilities for those courses. Guided Independent Study is increasing its advertising efforts for other program areas in an attempt to increase enrollments and thus recover registrations and revenues lost as a result of the transfer.

In December 1986, Audrey Campbell, Director of Guided Independent Study for many years, retired. The University has appointed a new Director, Ian T.W. Franks, who is also Director of Media Services.

GUIDED INDEPENDENT STUDY REGISTRATION 1986-87

A total of 1,193 UBC students were registered in GIS courses. Based on the Statistics Canada 1986 submission:

	UBC (No. of students)
Degree Credit Courses	
Faculty of Arts	691
Faculty of Education	149
Faculty of Forestry	150
Faculty of Science	0
School of Nursing	171
	1,161
Non-Credit Courses	
Forestry	32
	1,193

These students were responsible for a total of 1,498 course registrations.

In addition, there were 236 course registrations from Open University Consortium of British Columbia students during the 1986-87 academic year. This figure represents an increase of over 35% from the previous year.

	OUCBC (No. of registrations)
Degree Credit Courses	
Faculty of Arts	154
Faculty of Education	67
Faculty of Forestry	7
Faculty of Science	1
School of Nursing	7
	236

NON-CREDIT PROGRAMS

CENTRE FOR CONTINUING EDUCATION

The Centre for Continuing Education is responsible for the general non-credit continuing education program on behalf of the University; it works closely with the FACULTY OF ARTS in carrying out this mandate. In addition, several professional faculties and schools exercise their option of organizing their continuing education programs in cooperation with and through the Centre. They are:

FACULTY OF APPLIED SCIENCE

SCHOOL OF ARCHITECTURE

SCHOOL OF COMMUNITY AND REGIONAL PLANNING

SCHOOL OF PHYSICAL EDUCATION AND RECREATION

DEPARTMENT OF COMPUTER SCIENCE

The MUSEUM OF ANTHROPOLOGY, in addition to other activities outlined elsewhere in this report, also offers many continuing education courses for the general public in cooperation with and through the Centre.

Several other academic units of the University cooperated with the Centre in offering part of their continuing education program:

FACULTY OF EDUCATION

FACULTY OF FORESTRY

FACULTY OF SCIENCE

SCHOOL OF FAMILY AND NUTRITIONAL SCIENCES

In addition to the UBC academic units that cooperate with the Centre in providing continuing education programs, the Continuing Legal Education Society of B.C. is an Associated Division of the Centre for Continuing Education and its Executive Director holds an appointment as an honorary program director.

Continuing education activities in general non-credit education and in professional continuing education in the above areas are included in this section of the report.

Highlights of the Past Year

After the significant drop in enrollment in non-credit general education programs in 1984-85 (-11.76%) and in professional and technical continuing education programs in 1985-86 (-15.82%), the Centre experienced in 1986-87 a slight increase in both these program groupings. General education programs increased by 597 registrations (3.31%) and professional and technical continuing education programs by 265 (2.49%) over the previous year. The combined registration in all Centre programs in 1986-87 totalled 29,557, an increase of 862 registrations (3%) over 1985-86, as compared to an overall drop of 2,104 registrations (-6.84%) in 1985-86 over the previous year. Hopefully this is a sign that we have reached a point from where we will be able to slowly build up programs and enrollment affected negatively by the adverse economic conditions during the last three years.

The educational travel and field studies programs have been again in full operation this year, with 107 registrations in educational travel (compared to 31 last year) and 331 in field studies (compared to 131). The annual "Queen Charlotte Islands Cruise" again was successful, showing that its cancellation last year

for insufficient registration was an aberation (perhaps due to EXPO). We have instituted cooperation with the Chicago Botanical Garden and the Manitoba Museum of Man and Nature, while we continued our longstanding cooperation with the UBC Museum of Anthropology.

We have carried on with the UBC free noon-hour lectures at the Robson Square Media Centre downtown, featuring UBC faculty in their specialty. Two series were offered in 1986-87: "The 1960s: A Decade Through Its Literature", which attracted perhaps the largest audience in the 8-year history of the noon-hour lectures, and "Heaven and Earth", dealing with Astronomy and Geophysics.

The formation of the UBC/Community Concert Band under the direction of Professor Martin Berinbaum was appreciated in the University community and outside.

We have offered several outstanding programs in the field of public affairs, among these a debate on the defense of Canada between Dr. Gwynne Dyer and Dr. Doug Ross; a forum on the recommendations of the Federal Task Force on Broadcast Policy; and lecture by Claude Forget on the recommendations of the Commission on the Future of Unemployment Insurance which he chaired.

The liaison between our Creative Arts Programs and the Atlin Summer School of the Arts resulted in a Canada Council grant to Professor Wendy Dobereiner as a visiting lecturer at the School.

The highlights in our Career Development Programs were five very successful aquaculture workshops, offered jointly with the Faculty of Agricultural Sciences; programs related to the growing B.C. film industry; and the highly successful conference "Woman to Woman: Your Health and Happiness", co-sponsored with The Federation of Medical Women of Canada, B.C. Branch.

Due to budgetary and staff constraints, the longstanding Botanical Garden public courses, offered in cooperation between the Centre and the Garden, had to be discontinued at the end of 1986.

Our programs dealing with the preparation for retirement, recognized nationwide, experienced their best year since the establishment of these programs in the 1970s.

The English Language Division of our Language Institute also has had its biggest year, with a significant growth in registrations from 1,200 to 1,800 in its variety of ESL programs. The participants came from some 12 countries, with Japan delivering by far the largest number. We have reached in these programs the limit of our current physical facilities at UBC and will be searching for a solution to this problem in 1987-88.

The Women's Resources Centre had a very successful year and continued to serve as a model both in Canada and abroad. It is now operating at a maximum capacity in its downtown Robson Street location, serving some 1,400 women per month. In the summer of 1987 the WRC developed a pilot outreach program for the Britannia Community Centre, in cooperation with the Community Education Department of the Vancouver School Board.

Among highlights in our Computer Science Program were the fourth "Computers in Medical Practice: Conference and Exhibit", with exhibitors from four provinces; "Using Computers more Effectively in Architectural Practice", which resulted in a publication being circulated throughout Canada; and the very well attended "UBC Faculty-Staff Microcomputer Workshops", offered as a service to the University community.

There were some professional staff changes at the Centre during 1986-87. Janet Fraser, Director of Women in Management and Career Development programs, resigned in November 1986 to take on the position of Executive Assistant to Vancouver Mayor Gordon Campbell. Gail Riddell assumed responsibility for this program area in April 1987 and returned to a full-time appointment on July 1, 1987. Gail Riddell retains her responsibility for Retirement Education programs, but handed over Programs for

Retired People to John Edwards, who will also continue with his responsibility for Social Science. Gail Riddell was also appointed Coordinator of the pilot phase of the Faculty Development Project, which is to commence in September.

The Centre continues to receive considerable support and cooperation from individual faculty members and from academic departments. The closer links and advisory committees established during the past two years are assisting the Centre in carrying out its important mission of serving the University community and the larger community of which it is a part.

General Education Programs

Botanical Garden Public Courses: Due to the recent budget and staff cutbacks, The Botanical Garden regretfully had to discontinue the public program, offered for many years in cooperation with the Centre. The last of these courses were offered during the fall of 1986. The Botanical Garden continues to offer programs for the profession and trade, as well as programs for the Friends of The Garden.

Creative Arts: We continued to present studio and appreciation courses in a wide spectrum of fine arts, music and theatre disciplines. Basic studio courses such as "Ballet for Adults", "Delight in Drawing", "Painting Perceptions", "The Photographer's Eye", "Sculpture", "Watercolor Aspects" and "Weaving" attracted high registrations. "Theatre for the Closet Actor", a new offering, quickly attained full registration. Classes with a specific focus, such as a weekend painting workshop, "Focus on Flowers", were successful. First-time offerings of "The Classical Chinese Garden" and "The Traditional Japanese Garden", evening lectures followed by tours of Dr. Sun Yat-Sen Classical Chinese Garden and Nitobe Memorial Garden, were fully subscribed. Lecture series of particular interest were "Ancient Mesoamericans", "Music Makers: From Bach to Debussy", "Backstage at the Frederic Wood Theatre" (coordinated with the theatre's season) and "Theatre Past and Present". The annual "Shakespearean Festival Study Tour", with its prologue "Page and Stage", was an especially good program this year, with several registrants from Washington State. "Git'san Button Blanket Workshop", offered for the first time, was a highlight of the year's programming and it, too, attracted several participants from Washington. Michael Strutt's popular series of guitar lecture/recitals continued with "Spanish Guitar" and "Guitar Music of Brazil". "Sounds of Japan", a recital by Wendy Stuart in Nitobe Memorial Garden on a summer Sunday, continued a longstanding tradition. The formation of the UBC/Community Concert Band, under the direction of Professor Martin Berinbaum, was an exciting new venture and the final Sunday afternoon concert in April was a welcome addition to UBC's cultural presentations. The liaison of the Creative Arts Program and the Atlin Summer School of the Arts resulted in a Canada Council grant to Professor Wendy Dobereiner as a visiting lecturer and will lead, it is hoped, to further fruitful collaboration.

Daytime Programs: In the fall and winter, we again concentrated on programs in the arts and humanities at the Robson Square Media Centre downtown. Although rental of these facilities is expensive (and getting more so each term), we feel that the central location and pleasant surroundings make it by far the most attractive site for our audience. Several programs during this period concentrated on 18th Century culture and history. We are strengthening our ties with the Faculty of Arts through our lecture series, many of which are interdisciplinary, featuring a different lecturer each week from the various University departments. This format works well educationally, and has the additional advantage of spreading the responsibility among several faculty members, many of whom are far too busy to do it alone. A disadvantage is that multi-lecturer series are complex, and more costly administratively. Two free noon-hour lecture series were presented: "The 1960s: A Decade Through Its Literature", which drew perhaps the largest audiences in the 8-year history of the noon-hour series (300+ at each lecture); and "Heaven and Earth", a sampling of topics in Astronomy and Geophysics. In addition, during the summer we programmed eight science courses for children 10-12 years of age, in cooperation with the Department of Math and Science Education, increasing the number and variety from previous years. We are encouraged to continue developing this program area because of the enthusiastic support of our students and their parents.

Educational Travel and Field Studies: After the reorganization period during 1985-86, these two program areas are again in full operation. Despite increasing competition from other institutions and travel agents, the Field Studies and Educational Travel programs have enjoyed a remarkable success in the past year. **Field Studies** ranged from low-budget (but labor intensive) day-trips to ten-day cruises and included two trips in Johnstone Strait for whale-watching and anthropological explorations, trips to the Alberta Badlands and Mt. Garibaldi, "Adams River Sockeye Run", "Birding by Boat", "Sealions of the Fraser River Sandheads", "Wildflowers of Galiano", "Triangle Island", and "Gray Whales and Seabirds" at the Bamfield Marine Station. The 1987 Queen Charlotte Islands cruise was arranged by this department at the request of the Chicago Botanical Garden, now under the directorship of Dr. Roy Taylor. Our arrival in the islands coincided with the return of Bill Reid's Haida canoe to Skidegate and the group experienced all the festivities including a Haida potlatch at which new dances were performed, new masks exhibited and gifts distributed. This was a truly unique experience for all of us. The arrangement with the Chicago Botanical Garden worked well and will form the model for other co-sponsorship arrangements; plans are now under way with the Manitoba Museum of Man and Nature for a similar trip in June 1988. Other field trips planned for 1988 include natural history programs in Alaska and Hawaii. In addition to field trips organized by Field Studies, other program areas offered several trips and walking tours around Vancouver. The lower budget trips make it possible for people on fixed incomes to participate but require a great deal of time and effort. We find the field trips extremely satisfying in that they increase awareness of the richness of British Columbia and the other western provinces. However, in periods of tight economic conditions, they net the University much goodwill and public exposure but little financial return. A delicate balance is always required and sometimes frustrating to maintain. The **Educational Travel** programs offered this year included "Birds of Ecuador", "London Theatre Tour", "Reflections of the Past: An Art History Tour of France", and "Natural History of the Galapagos Islands and Peru". Of these, the theatre tour was cancelled (most likely as a result of a similar offering by the Arts Club). The birding tour went with a very small enrollment but both France and the Galapagos were highly successful--again despite fierce competition. Excellent resource people continue to give the University the edge over other tours and we continue to enjoy repeat business and word-of-mouth publicity from enthusiastic past participants. Increasingly, the travel arrangements are being handled by a travel agent and the academic component by the Centre. In effect, this means that the program is conceived by the department and the itinerary designed by the resource person while the hotels, flights, etc. are the concern of the agent. The agent may choose to publicize the tour but must clearly state that the program is a UBC Centre for Continuing Education program. Whenever possible, resource people are drawn from faculty but if an appropriate leader is not available at UBC, well-qualified tour leaders are drawn from other institutions. With full enrollment, these programs are financially successful and quite frequently lead to other trips with many of the same participants. The recent trip to the Galapagos has encouraged plans for a natural history tour of Kenya in 1989 with the same instructor. It is not unusual for 50 per cent or more of the participants on these programs to be known by the department as old 'customers'. Plans for the future include China and Japan in May 1988.

Education for Retired People: There are two programs designed specifically for retired people: the now well-established Summer Program for Retired People, and the new Third Age Community of Learners and Scholars at UBC which will be inaugurated in September 1987. Responsibility for these programs changed in February 1987 from Gail Riddell to John Edwards. The Summer Program for Retired People, introduced in 1974, began with high subsidy and high registrations; today it is operating on a self-sustaining basis out of registration fees, but attracts fewer registrations. This year 165 persons registered for 30 courses, with some of them obviously registering for more than one week of the four week program, May 25-June 19. Twelve course themes were offered, and again this year the evaluations gave high praise to all instructors, with particular enthusiasm for courses in literature: English, Russian, and French. Two graduate students were employed under the Challenge '87 program for on-site help with the administration of the program. Special events complementing the core program included a tour and tea at the UBC Botanical Garden, a talk on "The Joys of Collecting", a practical discussion on nutrition for older people, an illustrated lecture on the "Temple Builders of Ancient Java", and a "Pink Elephant Sale" organized, supplied and subscribed by the Summer Program Advisory Committee and registrants. Nearly $350 was raised for the Seniors' Program Endowment Fund which also saw an

additional $1,500 received through contributions in the spring. The members of the Advisory Committee have offered practical assistance throughout the year and deserve appreciation for their help at the UBC Open House. Although in the development stage for several years the major new Centre program concept of a Third Age Community at UBC, making it possible for retired people to engage in study/discussion and other structured learning formats on campus on a year round basis, took significant steps forward this year. Two public meetings were held to test support for the concept. A review of comparable programs offered in universities in the United States was done. As progress was made in defining the objectives and procedures of the program, UBC senior administrators and Deans responded encouragingly. Charter members in The Third Age Community of Learners and Scholars will begin regular meetings at Cecil Green Park House on campus in the fall of 1987.

Humanities: There was a greater literary emphasis in programming (e.g. poet Gary Snyder, *Mr. Poe* theatrical performance, Murray Stein who uses literature in his psychological analyses, and the "Symposium on Romantic Love" which featured among others a playwright and a Shakespeare scholar). This focus on the literary tradition seems very appropriate to a Humanities program and one that complements well the more traditional literary and historical emphasis of Daytime Programs. Such a trend will likely continue as long as programs attract good registrations. Less activity was seen this last year in the areas of psychology and philosophy. Successful existing programs continued, but more innovative programming in these areas of personal/existential and social/cultural concerns were in the process of re-thinking, consultation, and research. The Health Promotion and Personal Development Advisory Committee continues to be very stimulating and helpful as is attendance at the inter-departmental meeting of the Health Studies Exchange. We expect next year to see an increase and diversification of programming in the psychological, philosophical and cultural criticism theme areas. The Humanities program area will be working more closely with the B.C. Psychological Association in the development of their professional development programming in the future. This may prove a very creative collaboration. Courses related to storytelling and oral traditions continue to build as well. We have had the best people in British Columbia in these areas working with the Centre over the last few years and there is wide community interest. The creative writing program keeps on expanding slowly but steadily, with high quality courses and instructors and a strong mutually supportive relationship with the UBC Creative Writing Department. We may finally begin to experiment with a summer writing institute for next year.

Languages: The steady growth of the two divisions of the Language Institute, based on high quality programs and growing international renown of the Institute, continued. The **English Language Division** experienced a year of considerable growth in all of its programs and services. Over all, close to 1,800 students enrolled in the ESL programs, compared to just over 1,200 students in the same reporting period last year. In the "Immersion Program" and in specially designed programs for groups, this growth amounted to around 50 per cent. The year-round "Immersion Program" with its Communication and Academic streams had approximately 150 full-time students enrolled at any given time throughout the year. About 60 per cent of these students were from Japan. The remaining students were from ten other countries as well as from Quebec. The "College Preparation" and "Foreign English Language Training Program (FELT)" continue to provide high level English language programs. This year saw over 100 students enrolled in the evening ESL classes offered during the fall and winter terms. The area of Special English Language Programs experienced an incredible level of activity and growth during the year, both in terms of the number of programs and the number of students enrolled. Most of the colleges, universities and organizations which sent groups in past years came back this year with students. In addition, we provided specially designed English language programs for many new groups, including Ritsumeikan University, Trident College, Kanda Institute for Foreign Languages, Chofu Gakuen College, Komazawa University, Hokkaigakuen University and the AMVIC Institute of Foreign Languages. This year, three groups of students from Indonesia were placed in our ESL programs. Two of the groups were enrolled in specially designed English and orientation programs to prepare them for post-graduate studies in educational administration at UBC. We worked closely with Dr. James Wallin of the Faculty of Education on this project. The third group of students from Indonesia were placed by the World University Services in Canada. These students completed a two month summer English program prior to being placed in

post-graduate programs in a number of Canadian universities. The Pacific Region Orientation Centre **(PAROC)**, one of five CIDA funded orientation Centres across Canada, continued to be an active and vital part of the English Language Division. PAROC provided four major "English Language Orientation Programs" for Chinese trainees and scholars coming to Canada to study. As well, a number of pre-departure briefings for Canadians going to China for overseas postings were conducted. PAROC additionally provided support services for CIDA-sponsored students and scholars and their faculty advisors at UBC and SFU. All in all it was a year of incredible growth and excitement for the English Language Division. 1986-87 was a year during which the **French and Foreign Languages Division** reached maturity. From a struggling and uncertain program just a few years ago we have now reached a comfortable size with predictable enrollment and revenues. The addition of two full-time positions, a Program Coordinator and a Program Secretary, to the existing Program Director and Program Assistant positions, means that a more sustained and progressive growth can be foreseen. 1986-87 was the year we definitively put behind us the precarious conditions we had known in EMAX and settled into Buchanan Building. The improved conditions impacted very well on our students. A program-by-program analysis reveals that we had a record enrollment in the fall, regular enrollment in the winter, limited enrollment in the spring and very good enrollment in the summer. The price increase for all the summer programs did not greatly affect enrollment, although we were short one class or two compared with last summer's programs. The "Institut de Français, de UBC à Montréal", Programmes A et C, 1987 were very successful and fully enrolled. Program A was offered jointly with the UBC Faculty of Education and Program C with l'Ecole Française de l'Université de Montréal. The Program in Martinique was offered for the first time without bursary and had limited enrollment but great success. Both the March and the July Program in Cuernavaca had a good number of students who enjoyed learning Spanish in Mexico. The "Summer Language Bursary Program in French" was attended by 85 students from all parts of Canada. A new self-directed approach was tried and received strong support from the students. Very good contacts were established with the French community in Vancouver as a result of a series of radio broadcasts on the program.

Lifestyles: This program area has continued to show growth and community support. A very successful series on Carl Jung's ideas was held. Subsequent programs which expand on Jung's ideas are now being developed. Working with Dr. John Milsum and the Health Promotion Advisory Committee, a new and continuing program called "Health Care Update" was begun. It will showcase current UBC research in health related topics.

Public Affairs: Several outstanding programs were offered on urgent contemporary themes. Dr. Gwynne Dyer and Dr. Doug Ross debated the "Defense of Canada". (The National Film Board and Knowledge Network are planning to stage a repeat of this debate in fall 1987 in cooperation with this department.) A forum was organized to discuss the recommendations of the Caplan-Sauvageau Report (Federal Task Force on Broadcast Policy). Claude Forget lectured on the recommendations of the Commission he chaired on the "Future of Unemployment Insurance". A decision was made in late spring of 1987 to pursue differently the PROACT (Project "Adapting to Changing Technology") concept of bringing sectors together from business, labor, government and education. A Dean's Round Table is under discussion which will bring together community and university leaders with national figures.

Retirement Education: As the mean age level of employed people increases, so does the need for programs helping with the transition to retirement. We experienced our best year ever, having marketed assertively to organizations with large numbers of employees nearing retirement. For many of these organizations, both public and private, about 30 per cent of the employees are within ten years of normal retirement date, and these organizations will probably be long-term clients. In related areas during the past year, we continued a liaison with 45 Plus, Committee for Later Life Work Options (University of Victoria), provided assistance in setting up a B.C. Chapter of the Canadian Association of Pre-Retirement Planners, and gave a number of community oriented talks and workshops for conferences, professional days and union schools. Our plans for 1987-88 will again be directed in the area of developing more timely training materials.

Sciences: We continue to struggle trying out new topics both theoretical and applied. Animal behavior has been the biggest draw during the last year and the course we have offered a number of times, "What's That Animal Doing?" is very sound science, seriously presented. There has been good media interest as well. More programming related to understanding the mind-body complex and related health issues seems an obvious area for more development of courses as do local environmental concerns.

Social Sciences: Successful programs included a symposium on the America's Cup sailing contest, "Images of India", the "World of the Ancient Greeks", "Investments in a Changing Economy", an ethnographic look at the Greek island of Mykonos, a workshop on "How to Visit a Museum", several field trips on the Vancouver waterfront, and a seven session interdisciplinary view of archeology at UBC. In all, nearly 90 presenters were recruited for instruction. The annual Gerald Savory Memorial Lecture featured the Rt. Rev. Edward T. Scott, the Canadian member of the Commonwealth Commission investigating apartheid in South Africa. Offered cooperatively with the United Nations Association, Vancouver Branch, the lecture revenues contribute to a memorial fund for student bursaries. The location this year was Christ Church Cathedral and attendance was 350. Other programs addressed social and policy issues with special guests: "The Impact of Polling" with Jeffrey Simpson of the Globe and Mail and this year's J.V. Clyne Lecturer; a Native issues workshop at the Musem of Anthropology included a perspective from the Hon. Keith Penner, M.P., author of a policy paper on Native self-government. The "International Scene" lecture series continue to be popular focusing on current issues and international developments relating to peace, world debt, aid and political change. Presenters included visiting professors from Australia and Israel as well as non-faculty experts recommended by the Department of Political Science. Some hard lessons were learned in this program area when an important lecture series, scheduled for successive days of the week rather than weekly, proved unappealing to registrants. The same courses were offered later on on a weekly basis with success. The network of links to departments of the Faculty of Arts has proven invaluable, working well in 1986-87.

Sports and Fitness: A small group of successful courses was again developed for the interest of those wishing more fitness information. Programs emphasized resistance training, wellness, and fitness testing, leading to individual exercise prescriptions. In the future, these programs will be subsumed under the Lifestyles category.

Professional Continuing Education

Community and Regional Planning: The fall term was limited to two on-going courses, "Resource Management and Land Use" for band planners and managers and the "Certificate on Site Planning" course which attracted eight first year students. During the winter term, six courses were offered for planners and other urban professionals of which five ran successfully with good enrollment. The "Land Use Law" course in particular was a success. The spring term included the sixth offering of "Tourism Planning for Communities", this time in Elkford, B.C. The three communities of Elkford, Sparwood and Fernie, cooperated to bring this course to their region. The "Short Course in Community Planning" was offered in May after a two year hiatus, and was well received by 21 aldermen and municipal officials from communities around the province. This course which was started during the 1950s is the longest running course in this program area. Also offered during the spring were two intensive band planning courses: "Introduction to Band Planning" (two weeks) and "Economic Development Planning" (one week) which attracted participants from the three western provinces, the Yukon and N.W.T. The courses in band planning continue to be a mainstay of the program area. Of special interest during the year was a joint program with the Planning Institute of B.C. to offer five evening programs at the Faculty Club on topics of current interest for planners. These programs attracted a lively audience to listen to speakers discussing a variety of topics from land claims to mega-stores, and to enjoy an evening with colleagues. At the end of 1987, Brahm Wiesman, Director of the School of Community and Regional Planning, and a strong supporter of continuing professional education will be stepping down. His support and inspiration will be missed.

Computer Science: This past year the market for Computer Science Programs has continued to grow, with the focus remaining on the hands-on training sessions in the microcomputer lab. It has also been a year for administrative reorganization and long-term planning in preparation for the Program Director's sabbatical leave in the summer and fall of 1987. Highlights in programming included: "Computers in Medical Practice: Conference and Exhibit", one of the most successful sessions in our four-year series with exhibitors from several provinces; "Using Computers more Effectively in Architectural Practice" which was very well received, with a conference publication being circulated across Canada; and the "UBC Faculty-Staff Microcomputer Workshops" that were very well attended. Among new developments was the acquisition of our microcomputer which will greatly enhance the administration, special mailing lists, budgets and correspondence, with accuracy greatly enhanced. We will be able to "do more with less". Also, the ASM Seminar in September 1986 gave us a new, strong link to a professional society, the Association for Systems Managers. The next year holds great promise as we begin our corporate research and educational training with Ian Rose. Along with new insights obtained by the Program Director, Jane Hutton, during her leave, 1987-88 promises to be an interesting year.

Engineering/Architecture: Although the high unemployment rate among engineers and architects is relatively unchanged, there appears to be a subtle indication that some employers, particularly in the private sector, are now realizing that an investment must be made to update their professionals in high technology activity. Emphasis is therefore being placed on courses and conferences which will meet this need. Those professional engineers and architects who we qualified as "Certified Professionals" in the City of Vancouver are now being requalified to the revised By-Laws and it appears likely that this program will be modified to go Province-wide using the Knowledge Network. A similar program is now being developed to certify competence in Fire Protection Engineering. The expansion of television delivery of graduate-level credit and non-credit engineering technological and management courses finally will be able to get off the ground with the award, in August, of funds from the non-metropolitan grant.

Faculty Development: Beginning as an "interest group" of the UBC Faculty Association, this new liaison for the Centre emerged after much background effort. This included a faculty survey, a trip to some of Canada's most successful Faculty Development Centres, and the collection of much relevant printed material. Ultimately, a pilot project was designed, approved for sponsorship by the Faculty Association and the President's Office, and begun officially on July 1, 1987. Plans are now underway for fall seminars, newsletter and a resource centre. The pilot project is overseen by a committee of representatives from various faculties and from the President's Office. Gail Riddell, a Program Director in the Centre, has been appointed to coordinate this new venture. Our immediate goal is to provide during the fiscal year opportunities for academics to expand their knowledge about teaching, learning, and the various aspects of course management.

Women in Management/Career Development: The Today's Woman and Career Development Programs continued to have a very successful year placing a stronger focus on the Career Development programming area. Under Janet Fraser's initiation a series of five aquaculture workshops was presented with the joint sponsorship of the Faculty of Agricultural Sciences. These workshops brought nearly 200 new registrants to the UBC campus. "Best Supporting Roles: Careers in British Columbia's Film Industry" continues to be a successful offering and will be developed even more in the fall of 1987 with several film related workshops. In January a one day conference, "Woman to Woman: Your Health and Happiness", sponsored by The Federation of Medical Women of Canada-British Columbia Branch and the Centre for Continuing Education was held on campus. It was very successful with 20 women physicians addressing women's health care issues and with 310 women in attendance. It was found to be so successful that it will be repeated next year with new topics and speakers. The summer session focused largely on career change issues. Although registration is always lower for summer courses, this provides for a more personal approach on the part of instructors. Plans for the future include a focus on career enhancement (honing of workplace skills) and courses offered at a time when employers can sponsor their employees. We shall continue to look to the "workplace futures" and to offer career change seminars which look forward to new careers of the 1990s. With the resignation of the Program Director, Janet Fraser in November 1986, to become Executive Assistant to Vancouver Mayor Gordon Campbell,

Ethel Jones took over as Acting Coordinator. Gail Riddell became Program Director of this area in April of this year, returning to a full-time appointment and continuing also with her responsibilities for Retirement Education.

Service Programs

Reading, Writing and Study Skills Centre: This Centre continued to serve UBC students and others who wanted to develop their learning and communication skills. Several courses were designed to help students prepare for the UBC English Composition Test. Other courses dealt with reading rate and comprehension, grammar and sentence structure, writing essays, writing business letters and memos, writing short reports, study skills, vocabulary and spelling. The Centre also offered a number of courses in speaking skills and freelance writing and continued to administer correspondence courses in reading and writing. The Program Director, Janet Alexander, was granted study leave from July 1, 1986 to March 31, 1987 and Vivian Howard acted as Coordinator of the Reading, Writing and Study Skills Centre during this period.

Women's Resources Centre: The WRC has had a very successful year, both financially and in development of programs. It continues to stand as a model for other women's centres, both locally and internationally, and received visitors from many countries. The activities of the Centre draw favorable press, and it has been the subject of a number of articles in the local media. The demand for the services offered at the WRC has been maintained. We are operating at maximum capacity with an average of 1,400 women per month. We have increased our roster of volunteers to four per day. The free drop-in centre continues to attract many people, with an increase in the number of men using our services. Our core programs, "Creative Job Search", "Life-Planning", "Self-Esteem", and "Assertiveness Training" are very popular and usually run about every six weeks. We received a complimentary letter from the Department of Fisheries regarding our "Vocational Testing Program". We have also received a number of enquiries from various associations and organizations regarding vocational testing or career counselling programs. We would like to expand our career oriented programs into the business community. The WRC had several student placements from various UBC academic departments this year, and has received requests from several faculties for next year. The Advisory Committee for the Women's Resources Centre met several times and continues to be of great assistance to us. New programs developed this year include "Resume Consultation", "Resume Writing Workshop" and "Comprehensive Career Planning Program". Other programs which have run successfully are "Daughters and Their Aging Parents", "Taking Risks", "Cognitive Restructuring" and "Letting Go: Falling Out of Love". An outreach program has been developed for Britannia Community Centre which, if successful, may be continued next fall, and expanded. Our staff of 50 volunteers contribute over 7,000 working hours per year at the drop-in Centre in counselling, fundraising, leading core courses, etc. and we continue to receive numerous applications for volunteer employment.

Professional and Community Service

Program Directors in the Centre for Continuing Education provided public service by serving as officers of professional and community groups. The following are selected examples of this service:

Francis Andrew continued as the B.C. representative to the Association of American Teachers of French.

Beth Bosshard was appointed Chairperson of the Project Council of the SEVA Services Society, and was named as member of the Planning Committee for the 1989 CAAE/PACE National Conference.

John Edwards continued on the Board of Directors of the Vancouver Branch of the United Nations Association, and was appointed to the Board of Directors of the Bereavement Foundation of B.C.

Anne Ironside served as Past-President of the Canadian Association for Adult Education, and continued as member of the National Advisory Committee on Education Statistics, Statistics Canada, and of the Program Committee of the Vancouver Institute.

Jindra Kulich was appointed member of the Editorial Board of the *Canadian Journal of Studies in Adult Education* and continued to serve as Book Review Editor for *Learning*. He was also member of the advisory committee and resource person for the international conference "Adult Education and the Challenge of the 1990s", held in September in Leuven, Belgium. He also continued as member of the Executive Committee of the International Congress of University Adult Education.

Duff Macdonell continued as Chairman, Education and Examination Committee, Certified Professional Program of the City of Vancouver, and served as a member of the Vancouver Branch Executive and of the Professional Development Committee, Association of Professional Engineers of British Columbia.

Don Mosedale has been appointed Chairman of the 1988 Conference Board, The Association of B.C. Teachers of English as an Additional Language.

Gail Riddell continued to serve as Vancouver representative to 45 Plus: Committee for Later Life Work Options, and was UBC delegate to the 1987 CAUT Conference on the Status of Women. She also was resource person at several workshops and conferences, among these the Inaugural Meeting of the B.C. Branch of the Canadian Association of Pre-Retirement Planners, the 1987 CAIMAW Union Labour School, and the 1987 Vancouver Community College Instructor's Development Day.

Ruth Sigal continued as an Executive Board member of the Vancouver Immigrant Services Society, Board member of the Jewish Family Services, and of Program Committee of the Family Services of Greater Vancouer. She also served as a consultant to many private agencies and professionals, regarding life-planning for women.

Centre for Continuing Education Publications

Canadian Association for Adult Education. *Building the Social Movement: Papers from CAAE Seminar, Montreal, June 1986.* 1987. 58 pp.

Raymond J. Cole and Roger P. Neate (eds.). *Using Microcomputers More Effectively in Architectural Practice.* 1987. 36 pp.

Ruth Sigal, Norah Kembar, Mardee Galt (eds.). *Peer Counselling: A Course Manual for Trainers.* (Rev. edn.) 1986. 123 pp.

Publications of Program Directors

Jindra Kulich. "University Continuing Education in Canada 1960-1985: From Princess to Cinderella?" pp. 147-160 in *International Year-Book of Adult Education, 1986*, edited by J.H. Knoll, Köln, Böhlau Verlag, 1986.

Jindra Kulich. "Die Beteiligung der Universitäten Kontinentaleuropas an der Weiterbildung", pp. 177-185 in *International Year-Book of Adult Education, 1986*, edited by J.H. Knoll, Köln, Böhlau Verlag, 1986.

Jindra Kulich. "The University and Adult Education: The Newest Role and Responsibility of the University", pp. 170-190 in *Adult Education and the Challenges of the 1990s*, edited by W. Leirman and J. Kulich. London: Croom Helm, 1987.

Jindra Kulich. *Adult Education in Continental Europe: An Annotated Bibliography of English-language Materials 1983-1985.* Vancouver and Toronto: Centre for Continuing Education, The University of British Columbia and the International Council for Adult Education, 1987. 145 pp.

Jindra Kulich with Walter Leirman (eds.). *Adult Education and the Challenges of the 1990s.* London: Croom Helm, 1987. 215 pp.

CENTRE FOR CONTINUING EDUCATION

STATISTICAL SUMMARY OF PARTICIPANTS IN 1986-87

(Program Area and Type)

GENERAL EDUCATION PROGRAMS		
Lecture series	11,762	
Single lectures	5,088	
Short courses	1,244	
Field trips	331	
Educational travel	107	
Correspondence	107	
Total for General Education Programs		18,639
PROFESSIONAL AND TECHNICAL PROGRAMS		
Educational television	57	
Lecture series	1,374	
Single lectures	611	
Short courses	8,875	
Correspondence	1	
Total for Professional and Technical Programs		10,918
TOTAL REGISTRATIONS*		29,557

*Does not include 12,789 drop-in and phone-in counselling contacts at the Women's Resources Centre.

CENTRE FOR CONTINUING EDUCATION

STATISTICAL SUMMARY OF PARTICIPANTS IN 1986-87

(Location of Programs)**

GENERAL EDUCATION PROGRAMS		
UBC	13,017	
Greater Vancouver	5,077	
Province-wide	0	
Field Trips	331	
Educational Travel	107	
Correspondence	107	
In Canada (outside B.C.)	0	
Total for General Education Programs		18,639
PROFESSIONAL AND TECHNICAL PROGRAMS		
UBC	2,440	
Greater Vancouver	7,337	
Province-wide	1,140	
Correspondence	1	
In Canada (outside B.C.)	0	
Total for Professional and Technical Programs		10,918
TOTAL REGISTRATIONS*		29,557

*Does not include 12,789 drop-in and phone-in counselling contacts at the Women's Resources Centre.

**This summary indicates population served in metropolitan Vancouver (locations: UBC and Greater Vancouver) and further afield (locations: Province-wide and outside B.C.); field trips, educational travel and correspondence programs serve population from several areas.

CENTRE FOR CONTINUING EDUCATION
PROFESSIONAL STAFF

Director's Office

JINDRA KULICH	Director
KENNETH LANGLAND	Assistant Director-Administration
GENIA KAYE	Administrative Assistant to the Director

Directors of Program Areas

JANET ALEXANDER
Reading, Writing and Study Skills Centre (on study leave to March 31, 1987)

FRANCIS ANDREW
Language Institute-Institut des Langues: French and Foreign Languages

BETH BOSSHARD
Humanities/Sciences

JOHN EDWARDS
Social Sciences/Programs for Retired People

JANET FRASER
Women in Management/ Career Development (to November 30, 1986)

JULIE GLOVER
Community and Regional Planning

JANE HUTTON
Computer Science (on study leave from July 1, 1987)

ANNE IRONSIDE
Public Affairs/Lifestyles/ Sport and Fitness

JO LEDINGHAM
Educational Travel/ Field Studies

A.L. DUFF MACDONELL
Off Campus & Continuing Engineering Education/ CE for Architects

SHEILA MAXWELL
Creative Arts

DONALD S. MOSEDALE
Language Institute-
Institut des Langues:
English Programs Division

MARCIE POWELL
Daytime/Family Life

GAIL RIDDELL
Retirement Education/ Women in Management/ Career Development

RUTH SIGAL
Women's Resources Centre

Associate Program Division

JACK HUBERMAN
Continuing Legal Education

DIVISION OF CONTINUING EDUCATION IN THE HEALTH SCIENCES

INTRODUCTION

Continuing Education in the Health Sciences is one of the seven divisions responsible to the Co-ordinator of Health Sciences. Located on the first floor of the Mr. and Mrs. P.A. Woodward Instructional Resources Centre, it is made up of the following:

Continuing Education in Audiology and Speech Sciences
Continuing Dental Education
Continuing Education in Human Nutrition and Dietetics
Continuing Medical Education
Continuing Nursing Education
Continuing Education in Pharmaceutical Sciences
Continuing Education in Rehabilitation Medicine

OBJECTIVES

The objectives of the Division of Continuing Education in the Health Sciences are:

1. To assist the Faculties and Schools of the health sciences in their programs of continuing education by providing services including needs identification, program development, evaluation and administrative support services.

2. To initiate and support new teaching methods that facilitate and stimulate learning among members of two or more health professions.

3. To offer educational opportunities to assist in the planning and conducting of continuing health education programs.

4. To encourage and assist health professionals in the community to initiate their own continuing education activities and to provide them with faculty support when requested.

5. To offer consultative services regarding continuing education for health professionals.

6. To establish liaison with other groups providing continuing education programs in order to facilitate co-operative programming and co-ordination of continuing education activities throughout the province.

7. To initiate and support research activities pertinent to the development of continuing education in the health sciences.

8. To encourage and participate in the development of health education programs for the public.

PROGRESS TOWARD ACHIEVING OBJECTIVES

During the academic year 1986-87, the Program Directors, educational support staff, and administrative personnel met regularly, usually on a bi-weekly basis, as the Division's Executive Committee. Progress of each Division was reported and policies, objectives and future directions were reviewed. In addition,

the Directors met with their individual advisory committees and assisted with the planning of interprofessional offerings.

1986-87 was a very active and highly successful year in which a total of 295 learning events and activities provided educational opportunities and services to 13,503 participants. Progress towards meeting the Division's objectives with emphasis on innovative achievements is reported in detail in the following sections.

To Assist the Faculties and Schools of the Health Sciences In Their Programs of Continuing Education

Continuing Education in Audiology and Speech Sciences

Courses (On Campus): The Division of Continuing Education in Audiology and Speech Sciences offered one on campus course attended by 67 registrants.

Independent Study: Six more videotapes were added to the lending library making a total of 12 titles. These videotapes were used on a rental basis by 16 registrants during 1986-87.

Total Participation in Continuing Education in Audiology and Speech Sciences: A total of 83 participants registered in the 13 learning activities provided.

Continuing Dental Education

Regional Co-ordinators: An annual training session for Regional Co-ordinators was attended by eight dentists from non-metropolitan communities in May. The Regional Co-ordinators Network now consists of nine dentists. The Regional Co-ordinators planned 45 courses attended by a total of 2,100 participants during 1986-87.

Courses (On Campus): The Division of Continuing Dental Education offered 25 on campus courses attended by a total of 2,080 dentists, dental hygienists, certified dental assistants and others.

Courses (Off Campus): One off campus course was attended by 204 participants.

Orthodontic Module: A concentrated forty-hour program to prepare Certified Dental Assistants and Registered Dental Hygienists to work as assistants to Orthodontists was attended by 80 registrants.

Independent Study: A series of 32 high quality videotapes has been purchased to allow British Columbia dentists to use this medium for self-directed continuing education. A total of 162 registrants participated in this activity during 1986-87.

Study Clubs: Continuing Dental Education provided facilities and services to 81 members of nine study clubs. These study clubs provide individualized and small group instruction in theory and clinical skills in specialized areas of dental practice.

Total Participation in Continuing Dental Education: A total of 4,715 registrants participated in 114 Continuing Dental Education learning events during 1986-87.

Continuing Medical Education

Lecture Series: The Wednesday Evening Lecture Series begun in 1979 was again offered between October 1986 and April 1987. A total of 129 physicians attended 20 two-hour lectures.

Courses (On Campus): A total of 30 on campus courses were offered to 2,458 registrants.

Courses (Off Campus): Four programs were held at Whistler, B.C. and attracted a total of 375 registrants. Two "Advanced Trauma Life Support" courses were held in Prince George for 32 registrants.

Portable Courses: These one-day courses are offered on request to physicians in non-metropolitan communities. A total of 12 such courses were offered to 288 participants on 9 topics during 1986-87.

Community Hospitals: There were 18 community hospital courses held throughout the province with 257 participants.

Traineeships: Seventeen clinical traineeships were arranged between September 1986 and August 1987, in 8 subject areas (Psychiatry, Cardiology, Anaesthesia, Sports Medicine, Internal Medicine, Emergency Medicine, Ophthalmology, and Neonatology). Traineeships varied in length from one week to three months.

Audio Teleconferencing: There was a Fall Series of six programs and a Spring Series of six programs which attracted a total of 155 registrants.

Total Participation in Continuing Medical Education: A total of 3,711 registrants participated in 86 Continuing Medical Education learning events during 1986-87.

Continuing Nursing Education

Post-Graduate Clinical Program in Critical Care Nursing (On Campus): Two full-time Level I courses were offered to a total of 41 registrants, and 20 part-time courses for which there were 204 registrations. Total registration was 245 in 22 courses.

Post-Graduate Clinical Program in Critical Care Nursing (Off Campus): A Level I course offered in Comox attracted 24 registrants. In addition, five days of consultation were provided in Maple Ridge.

Short Courses and Conferences (On Campus): Three on campus courses were offered: Computers in Nursing (66 registrants), Respiratory Update (29 registrants), and Breastfeeding (150 registrants). Total registration was 245 in three courses.

Short Courses and Conferences (Off Campus): No off campus courses were offered in 1986-87.

Total Participation in Continuing Nursing Education: A total of 490 registrants participated in 25 on campus courses and 24 in an off campus course for a total of 514 registrants in 26 courses.

Continuing Education in Nutrition and Dietetics

Lecture Series: Two very successful evening lecture series were offered. "Current Topics in Nutrition and Dietetics" held in the Fall attracted 228 registrants. The Spring "Update for Dietitians and Nutritionists" attracted 247 for a combined total of 475 registrations.

Audioconferences: The two series described above were also offered simultaneously as audioconferences. The Fall program served 104 registrants in 13 sites, and the Spring program 136 registrants in 14 sites for a combined total of 240 registrations.

Total Participation in Continuing Education in Nutrition and Dietetics: A total of 715 registrants participated in the 4 courses offered.

Continuing Pharmacy Education

Courses (On Campus): A total of 884 registrants participated in 10 on campus courses.

Courses (Off Campus): A total of 26 courses were offered, 19 with the assistance of Pharmacy's 27 Regional Co-ordinators. Total registration was 609.

Audioconferences: Four programs, each two hours in length, were offered to 18 locations throughout the province. One program on Osteoporosis, sponsored by Ayerst, had a substantial video as well as audio component. The other three programs were simultaneous broadcasts of "live" lectures being given in Vancouver. There were a total of 248 registrations.

Independent Study: Independent study opportunities were offered in three formats. Computer Disc: The interactive pharmacokinetics program for IBM and IBM-compatible computers was offered again this year and 11 individuals registered. Print Media: Four correspondence and journal programs were made available and proved to be very popular with a total of 958 registrations. Audio Cassettes: Three separate audio cassettes covering AIDS, Alzheimers and Cardiovascular Drugs were available this year. There were a total of 154 registrations in this format.

Total Participation in Continuing Pharmacy Education: A total of 884 registrants participated in 10 on campus courses and 1,980 registrants in 38 off campus courses for a grand total of 2,864 registrants in 48 courses.

Continuing Education in Rehabilitation Medicine

During 1986-87, the Division of Continuing Education in Rehabilitation Medicine did not offer any programs, but was able to provide consultative assistance when requested.

To Initiate and Support New Teaching Methods That Facilitate and Stimulate Learning Among Members of Two or More Health Professions

Interprofessional activities continue to be one of the most exciting and stimulating challenges faced by the Division. Such activities result both from careful planning and as a natural consequence of health professionals sharing a common working environment.

Courses: Three courses were offered in 1986-87: "Paediatric Traumatic Head Injury" which attracted 211 registrants in seven professions and "Improving Professional Impact by Developing Effective People Skills" which was offered twice to a total of 296 registrants in 9 professions. Total registration was 507 in the 3 courses offered.

Lecture Series: The annual John F. McCreary Lecture "Teenagers in Distress" was attended by approximately 225 health sciences students, faculty and clinicians from a wide range of professions.

Total Participation in Interprofessional Learning Activities: A total of 732 registrants attended these 4 on campus learning events.

To Offer Educational Opportunities to Assist in the Planning and Conducting of Continuing Health Education Programs

Training or refresher sessions for Regional Co-ordinators were held in two professions: Dentistry and Pharmacy. A total of 59 co-ordinators are now active in British Columbia in three professions.

To Encourage and Assist Health Professionals in the Community to Initiate Their Own Continuing Education Activities and to Provide Them with Faculty Support When Requested

Program Planning Guide: A total of 130 introductory handbooks on program planning were sold at cost to provide health professionals with a reliable reference to help them develop sound continuing education programs.

Consultations: Each of the Divisions provides advice and assistance to health professionals in the community who are planning continuing education events. Frequently this process involves suggesting the names of faculty and others who might act as speakers. Regional Co-ordinators receive this kind of assistance on an ongoing basis.

To Offer Consultative Services Regarding Continuing Education for Health Professionals

Regional Co-ordinators: The Directors of Continuing Education in Dentistry, Pharmacy and Nutrition offer consultative services of a variety of kinds to their Regional Co-ordinators on an ongoing basis.

Health Sciences Community: All members of the Division respond to requests from the health sciences community in British Columbia and elsewhere. The most frequent topics of consultations are planning, evaluation, and the interprofessional approach to continuing education.

To Establish Liaison With Other Groups Providing Continuing Education Programs in Order to Facilitate Co-operative Programming and Co-ordination of Continuing Education Activities Throughout the Province

Members of the Division established and maintained liaison with a variety of agencies and organizations involved in continuing education. These included, among others:

British Columbia Institute of Technology, Department of Continuing Education in the Health Sciences

Centre for Continuing Education, UBC

Continuing Legal Education Society of British Columbia

Knowledge Network of the West

Vancouver Community College, Central Continuing Education Division, and Langara Campus

University of Victoria, Extension Division

Professional Associations and Teaching Hospitals

To Initiate and Support Research Activities Pertinent to the Development of Continuing Education in the Health Sciences

The lack of the necessary funding continues to prevent the Division from mounting significant research initiatives. Of particular interest is examining the relationship, if any, between continuing education programs and the competence and performance of the health professionals who participate in these programs as learners.

To Encourage and Participate in the Development of Health Education Programs for the Public

By agreement with the Centre for Continuing Education, the Division does not mount programs specifically directed at members of the general public. Instead, consultations are provided when requested and special presentations are opened to the public when appropriate.

ACKNOWLEDGEMENTS

Significant funding to assist with the development and implementation of continuing education programs was received from sources listed below. Their support is greatly appreciated.

British Columbia Ministry of Advanced Education and Job Training. Funding for Non-Metropolitan Programs: The availability of these funds is almost entirely responsible for the volume and scope of the Division's activities in the community and for the much needed post-basic programs in Critical Care Nursing. Without this support, these programs and activities would be substantially curtailed. Support was at a very low level in 1986-87.

The British Columbia Lung Association: Funding for interprofessional and uni-professional programs and projects relating to respiratory diseases, including tuberculosis.

The Royal College of Physicians and Surgeons of Canada: Funding for several Continuing Medical Education programs.

The College of Dental Surgeons of British Columbia: Funding to support the activities of Continuing Dental Education.

The College of Pharmacists of B.C. and the B.C. Pharmacists' Society: Funding to support the activities of Continuing Pharmacy Education.

The Division wishes to acknowledge the many contributions in the form of advice, assistance, services, and educational space received from many hospitals, health agencies, and professional associations throughout British Columbia. Our sincere appreciation is expressed to the many health professionals who assisted with course planning, who co-ordinated or taught the courses, and to the learners who registered as participants.

We wish to note with appreciation the contributions to Continuing Education in the Health Sciences of:

Dr. Nancy Schwartz who left her post as Director of Continuing Education in Human Nutrition and Dietetics to take up the position of President of the National Institute of Nutrition in Ottawa.

Ms. Louise Tenn, Director of Continuing Education in Nursing, who returned to teaching duties in the School of Nursing.

Dr. Malcolm Williamson, Director of Continuing Dental Education, who undertook a full-time role with the City of Vancouver.

We are delighted to welcome three new directors:

Dr. Susan Barr, Nutrition and Dietetics

Mrs. Olive Simpson, Nursing

Mrs. Jane Wong, Dentistry

Finally, the leadership, encouragement and support of Dr. M.D. Low, Co-ordinator of Health Sciences is acknowledged with special appreciation.

DIVISION OF CONTINUING EDUCATION IN THE HEALTH SCIENCES
ACADEMIC AND ADMINISTRATIVE STAFF

Co-ordinator, Health Sciences
Dr. M.D. Low

Co-Chairman of the Executive Committee,
and Director of Continuing Pharmacy Education
Dr. David W. Fielding

Co-Chairman of the Executive Committee, and
Director of the Division of Continuing Medical Education
Dr. David S. Lirenman

Co-Directors of the Division of Continuing Education in
Audiology and Speech Sciences
Ms. Noelle L. Lamb
Ms. Elizabeth Duncan

Director of the Division of Continuing Dental Education
Ms. Jane M. Wong

Director of the Division of Continuing Education in Human
Nutrition and Dietetics
Dr. Susan Barr

Director of the Division of Continuing Nursing Education
Mrs. Olive Simpson

Director of the Division of Continuing Education in
Rehabilitation Medicine
Ms. Jane Hudson

Executive Director
Mr. Robert C. Gobert

Administrator
Mr. David J. Miller

The individual Directors of the continuing education programs for each profession are appointed by and responsible to the Deans or Directors of the Health Sciences Faculties and Schools.

During 1986-87, assistance in planning and conducting Continuing Pharmacy Education programs was provided by:

Mrs. Sharon E. McKinnon, Assistant Director
Continuing Pharmacy Education

Special initiatives in distance education were undertaken with the assistance of:

Mr. John K. MacLeod
Distance Education Co-ordinator

Several of the Directors were supported by personnel engaged to work on specific projects.

DIVISION OF CONTINUING EDUCATION IN THE HEALTH SCIENCES
STATISTICAL SUMMARY OF ON CAMPUS AND OFF CAMPUS
REGISTRATIONS IN 1986-87

Program Areas	No. of On Campus Courses	Regis-trations	No. of Off Campus Courses	Regis-trations	Total Courses	Total Regis-trations
Audiology and Speech						
Courses	1	67	0	0		
Independent Study-Video	0	0	12	16		
TOTALS	1	67	12	16	13	83
Dentistry						
Courses	36	2,249	46	2,304		
Independent Study	0	0	32	162		
TOTALS	36	2,249	78	2,466	114	4,715
Medicine						
Courses	30	2,458	36	952		
Lecture Series	1	129	0	0		
Clinical Traineeships	17	17	0	0		
Audio Conference	0	0	2	155		
TOTALS	48	2,604	38	1,107	86	3,711
Nursing						
Courses	25	490	1	24	26	514
Nutrition and Dietetics						
Lecture Series	2	475	0	0		
Audio Conference	0	0	2	240		
TOTALS	2	475	2	240	4	715
Pharmacy						
Courses	10	884	26	609		
Audio Conference	0	0	4	248		
Independent Study-Print	0	0	4	948		
Independent Study-Video	0	0	3	154		
Independent Study-Computer	0	0	1	11		
TOTALS	10	884	38	1,980	48	2,864
Interprofessional						
Courses	3	676	0	0		
Lecture Series	1	225	0	0		
TOTALS	4	901	0	0	3	901
TOTALS	126	7,670	169	5,833	295	13,503

Total On Campus Courses	126	On Campus Registrations	7,670
Total Off Campus Courses	169	Off Campus Registrations	5,833
Total Courses	295	Total Registrations	13,503

PROFESSIONAL PROGRAMS OF THE FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

Professional Programs conducts the continuing education activities of the Faculty of Commerce and Business Administration. There are four divisions involved: Executive Programs, Diploma Division, Certificate Programs, and Real Estate Division. Executive Programs is concerned with short-term management seminars and conferences. The Diploma Division is responsible for long-term professional and managerial training. Certificate Programs administers the Notaries Public preparatory courses. The Real Estate Division is responsible for licensing and continuing education for the real estate industry.

Associate Dean Fred Siller is responsible for the Faculty's continuing education activities. Reporting to Dr. Siller are: Mrs. Bev Spicer, Real Estate Division and Certificate Programs; Miss Sharon Habkirk, Diploma Division; and Dr. Bruce Fauman, Executive Programs.

Executive Programs

During the latest academic period, September 1, 1986 to August 31, 1987, Executive Programs presented 86 seminars to some 2,200 managers. These seminars covered a wide range of topics and were held at UBC, in downtown Vancouver, the Vancouver suburbs, Victoria, Whistler, Penticton, Kelowna and Toronto. Organizations that have acted as co-sponsors for some Executive Programs seminars include: Asia Pacific Business Institute, British Columbia Real Estate Association, Financial Post, Continuing Legal Education and the Urban Development Institute.

The E.D. MacPhee Executive Conference Centre continues to be a superior facility for Executive Programs, providing an excellent atmosphere for continuing management education.

Diploma Division

The Diploma Division offers four professional development courses in conjunction with various professional associations. In total, 3,675 registrations were received in the Diploma Division during the period September 1986 to August 1987.

The Certified General Accountants' course remained the largest of the diploma offerings. There were 2,888 registrations, with some 65 lecturers and markers involved. The course requires five years to complete, and may be taken by lecture through UBC or by correspondence through the Association.

The Graduate Admission Program for the Institute of Chartered Accountants accounted for 191 registrations.

The Marketing and Sales Management Diploma Program, three years in length, enrolled 146 students.

The Institute of Canadian Bankers registered 450 students.

Real Estate Division

The Real Estate Division provided training to 3,105 students in the 1986-87 academic year. Courses offered consisted of: the Real Estate Salesman's and Sub-Mortgage Broker's Pre-Licensing Course; the Real Estate Agent's Pre-Licensing Course; Mortgages: A Course for Lender and Brokers; and the Urban Land Economics Diploma Course.

The Real Estate Salesman's and Sub-Mortgage Broker's Pre-Licensing Course, offered four times this year by correspondence, enrolled 2,178 students.

The Real Estate Agent's Course, conducted four times per year by correspondence, registered 262 students.

Mortgages: A Course for Lenders and Brokers, offered in the fall, registered 107 students as full-time correspondence students.

The Diploma Program in Urban Land Economics enrolled 558 students.

Certificate Programs

Certificate Programs offers the Preparatory Course of Notaries Public. The course enrolled 26 people in 1986-87.

FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION
STATISTICAL SUMMARY OF REGISTRATIONS IN PROFESSIONAL PROGRAMS 1986-87

Executive Programs		
Seventy-seven General Seminars	1,776	
Eleven In-House Seminars to Nine Client Organizations	438	
Total		2,214
Diploma Division		
Chartered Accountants	191	
Marketing and Sales Management	146	
Institute of Canadian Bankers	450	
Certified General Accountants	2,888	
Total		3,675
Real Estate Division		
Real Estate Salesman's and Sub-Mortgage Broker's	2,178	
Real Estate Agent's	262	
Mortgages: A Course for Lenders and Brokers	107	
Diploma Course in Urban Land Economics	558	
Total		3,105
Certificate Programs		
Preparatory Notaries Public Course		26
TOTAL REGISTRATION		9,090

PROFESSIONAL CONTINUING EDUCATION PROGRAM OF THE SCHOOL OF SOCIAL WORK

The Continuing Education Program is directed by Dr. David S. Freeman. The Program moved in a new direction commencing in September 1986. The new structure of the Continuing Education Program has seven dimensions. Each dimension is intended to reach a different population, to serve a different training need and to provide a valuable resource throughout British Columbia.

Specific In-Service Training for Agency Staff in the Lower Mainland

During the summer of 1986 a letter was sent to the directors of all social service agencies in the Lower Mainland. This letter notified the agency directors of the new direction of the Continuing Education Program and asked them to inform us of their training needs. The goal was to provide agencies with top quality trainers, at a modest cost, who are responsive to the specific training needs of the agencies. We received a number of responses to this letter and have responded by setting up training programs for several agencies.

Specific In-Service Training for Agency Staff in the Interior, Kootenays, Northern Areas, and Cariboo Regions of B.C.

A letter was sent to all agency directors in these areas asking for their suggestions on how to meet their training needs. We received several responses from these agencies and are in the process of developing training programs that are specifically tailored to the needs of agencies outside the Lower Mainland. The response has been very encouraging. There seems to be interest in developing workshops around certain topics which are of interest to several agencies to reduce the training cost.

Annual Conference-type Workshops offered in the Spring and the Fall

These conference-type workshops featured national and international experts in the social work field. These workshops generated revenue for the continuing education programs as well as provided high profile training for people throughout B.C.

Exchange Programs with Other Continuing Education Programs in Western Canada, Washington and Oregon

We are currently negotiating with the School of Social Work at the University of Washington and Portland State University to develop an exchange program between our continuing education programs. We envision that in any given year some of our faculty will provide training opportunities for their students in Washington and Portland State Universities while their faculty will provide training for our students and the community in B.C. We are also negotiating with the Justice Institute of B.C. to co-sponsor training programs. Our hope is that this co-sponsorship will heighten our visibility throughout Western Canada as a quality training institution.

Public Lectures

A series of public lectures were given monthly and semi-monthly throughout the year. They were co-sponsored with the UBC Centre for Continuing Education with the assistance of Anne Ironside. The subjects were timely and related to public policy issues as well as relevent practice issues.

The School of Social Work Continuing Education Program will Continue to be a Co-Sponsor of the Western Canadian Conference of Family Practice

The conference has become an integral part of the Continuing Education Program.

Post Master's Professional Upgrading Program Co-Sponsored with the BCASW

This aspect of the program is in the planning stages with BCASW. The goal is to be able to provide a certificate program for the upgrading of MSW graduates in practice, policy and research areas. Garry Grams, from the Faculty of Medicine, will be involved in the planning and development of the program.

The above presents an overview of the direction of the Continuing Education Program, School of Social Work at UBC. We hope to provide in-depth training for social work professionals and be responsive to particular agency needs. We want to be responsive to the public at large as well as the social work community. We also want to broaden our program to include co-ordinating, stimulating, and developing new opportunities in training.

THE SCHOOL OF SOCIAL WORK CONTINUING EDUCATION PROGRAM
STATISTICAL SUMMARY OF REGISTRATIONS 1986-87

Primary Sponsorships Programs

November 13	Building on Family Strengths - A Research Report	20
December 5	What Do I Tell Them? Supporting Skills Necessary to Connect Person in Need With Appropriate Help	41
January 16	What Do I Tell Them? Supporting Skills Necessary to Connect Person in Need With Appropriate Help	39
February 6 & 7	Introduction to Structural Family Therapy	68
February 5	Enquiry of the Future of Unemployment Insurance	42
February 11/18/25	Family Work in a Medical Setting	35
February 13	The Family in the 80's	85
February 12	Questioning the Policy Makers	21
February 27	The Living Economy	35
March 13	Suicide and Self-Mutilation	77
March 12	Questioning the Policy Makers	42
May 8	Social Work Symposium II - Research Day	65
Total Registration in Primary Sponsorship Programs		570

Secondary Sponsorship Programs

March 3/10/17 24/31, 1987	Sacred Trust Series	15
May 18-24, 1987	11th Western Canadian Conference on Family Practice	221
Total Registrations in Secondary Sponsorship Programs		236
TOTAL REGISTRATION		806

PROFESSIONAL CONTINUING AND DISTANCE EDUCATION ACTIVITIES OF THE FACULTY OF AGRICULTURAL SCIENCES

Overview

In 1986, the Faculty of Agricultural Sciences' comprehensive program of off campus academic and professional development courses was in transition. Face-to-face instruction of credit courses in collaboration with five regional colleges was phased out in favor of distance delivery.

Presentation of academic courses in the B.C. Interior ceased early in 1986. At the same time, development of academic courses for multi-media distance delivery was begun. These courses, Agricultural Sciences 110, Soil Science 200, Food Science 258 and Animal Science 258 are print-based with complementary Knowledge Network broadcasts. Their development is a start towards providing all required first and second year courses in Agricultural Sciences by distance education.

The Faculty's professional development short courses, symposia and seminars have continued to be in demand throughout the province although financial constraints limited total offerings. Last year, the Faculty created and developed its first professional development home study course, focussing on the scientific and technical aspects of forage production. This year a Salmonid Culture home study course was developed and delivered to 233 registrants from all over North America.

Faculty members also keep the public and agricultural professionals informed through lectures and talks, scientific exhibits, displays and tours.

Academic Courses

The process of conversion of the on-site courses being delivered in the B.C. Interior through guided independent study courses, which was started in 1985-86 continued in 1986-87; only one on-site course (Plant Science 401) was delivered this year. Two courses (Agricultural Sciences 110 and Soil Science 200) have been converted and are being delivered by the Guided Independent Study unit, while two additional courses (Food Science 258 and Animal Science 258) were being developed for delivery as distance education.

Non-Credit Programs

The Faculty's program of professional development events continued to be in demand throughout British Columbia, although the economic situation in agriculture had an impact on the number of programs offered. Nine programs, as compared to 18 programs in the previous year, were offered in 1986-87. Registration in these programs, however, did not drop to half of the previous year; in 1985-86 there were 1,309 registrations while in 1986-87 there were 822. In addition, the new home study course in Salmonid Culture attracted 233 registrations in 1986-87, making the total non-credit registration 1,075.

Note that many of the programs were offered cooperatively with other agencies and institutions.

Other Activities

In addition to the considerable continuing education and distance education program offered by the Faculty of Agricultural Sciences, the Faculty also sponsored a number of scientific exhibits and demonstrations, outlined elsewhere in this report.

FACULTY OF AGRICULTURAL SCIENCES
STATISTICAL SUMMARY OF REGISTRATIONS IN PROFESSIONAL CONTINUING AND DISTANCE EDUCATION ACTIVITIES 1986-87

Continuing Education*

Pacific Northwest Animal Nutrition Conference	Oct. 21-23/86	Vancouver	125
Greenhouse and Nursery Crops	Nov. 17-18/86	Prince George	36
Energy Savings on the Farm	Nov. 20/27/Dec. 4/86	Oyster River	14
Iron: A Nutrient at Risk	Feb. 19, 1987	Vancouver	220
Canadian Society of Plant Physiologists	Feb. 19-29/87	Vancouver	66
Horse Conformation and Judging	Feb. 21/87	Keremeos	18
Modern Cropping Practices For the Interior	Mar. 18-19/87	Prince George	43
Stockmen's Seminar - The Forest: Challenges of Multiple Use	May 27/87	Vernon	180
Producer Day	July 7/87	Oyster River	120

Distance Education

Credit Courses:

Agricultural Sciences 110 being delivered by Guided Independent Study
Soil Science 200 being delivered by Guided Independent Study
Food Science 258 in development
Animal Science 258 in development

Plant Science 401	Aug. 24-Sept 3/87	Douglas Lake	20

Non-Credit Courses:

Salmonid Culture	mid-April to late June	233

TOTAL REGISTRATION 1,075

*Several of these programs were offered cooperatively with other agencies or groups.

PROFESSIONAL CONTINUING AND DISTANCE EDUCATION ACTIVITIES OF THE FACULTY OF EDUCATION

The purpose of this report is to record the non-credit activities reported by various Departments within the Faculty of Education. Although the services reported below were of benefit to a wide range of constituencies including the general public, government agencies, and private non-profit organizations, the major focus was upon B.C. educators.

There are more than 27,000 teachers in B.C., employed within 75 school districts and the average age of B.C. teachers is over 40. Recent government reports have expressed concern regarding the quality of schools and instruction and recommend that increased attention be devoted to the professional development of teachers. The UBC Faculty of Education in cooperation with other B.C. institutions such as the University of Victoria and Simon Fraser University, provides a broad range of professional development activities that reach into every corner of British Columbia.

Table one below reports face-to-face events such as conferences, workshops seminars, lectures, musical and theatrical performances, art exhibits, scientific exhibits and consultations as reported by various faculty members within the Departments listed.

TABLE #1
FACE-TO-FACE ACTIVITIES

Unit/Department	Number of Events	Number of People Served
Administrative Adult and Higher Education	132	3,034
Distance Education Office	124	2,351
Educational Psychology and Special Education	136	4,421
Counselling Psychology	34	750
Language Education	60	1,696
Mathematics and Science Education	107	2,904
Native Indian Teacher Education Program	21	1,472
Physical Education and Recreation	7	350
Social and Educational Studies	77	1,208
Teacher Education Office	2	65
Visual and Performing Arts in Education	74	2,034
TOTAL	774	20,285

Factors such as geographic barriers, remote areas, the high cost of travel and scattered population make it impractical to reach all of B.C.'s school districts with face-to-face activities. In order to provide professional development activities for educators in B.C. without prejudice to their location, the Faculty of Education through the Distance Education Office and in cooperation with UBC Media Services is producing two collections of video tapes along with print material. One collection focuses on Current and Special Issues in Education and the other records Interviews with Outstanding Educators.

More than 40 video tapes and over 1,200 minutes of video taped material with supportive print packages are now available for distribution. The authors and interviewers for these collections were provided by Faculty members from various departments within the Faculty of Education. Many local school districts, government agencies and other organizations have obtained their own copies of this material. For this reason a complete record of use is impossible to obtain. The following table records known use based on records in the Distance Education Office and reports from faculty who have personally used and distributed the material.

In addition to the two collections of non-credit video tapes that are available for distribution, the Faculty of Education has produced a number of credit courses that are available for use. Many school districts have copied this material and use it for in-service training. Also, in the 1986-87 academic year, five courses were broadcast on public television. This material is available in this form to the general public but the number of people who benefit cannot be determined. The content of these courses includes Special Education, Counselling, Early Childhood, Micro Computer Applications In the Classroom, and Curriculum and Instruction.

TABLE #2
VIDEO TAPES

Mode	Number of Events	Number of Viewers
Public Broadcast	68	Undetermined
Non-Broadcast Showings	108	3,357
TOTAL	176	3,357+

The contribution in planning, leadership, and organizational development in B.C. government agencies and private non-profit organizations is reflected by the participation of Faculty members on various boards and committees. The following table reports the participation of 33 different Faculty members on 85 non-University boards and committees. This represents many hours of work, often spanning months and even years of involvement that affects social and cultural attitudes and influences the policies of government in many fields.

TABLE #3
NON-UNIVERSITY
BOARDS AND COMMITTEES

Number of Faculty	Number of Boards & Committees
33	85

Finally, several Faculty members reported participation in five live radio broadcast and six television presentations. These sessions were broadcast on public service networks and the number of viewers is impossible to determine.

In summary, members of the Faculty of Education report that they have participated in 774 non-credit events and have reached a total of 20,285 people during the period September 1, 1986 to August 31, 1987. The summary table does not include faculty participation on boards and committees.

Note that off campus credit courses in Education are evidenced earlier in this report in the section titled Part-time Study Credit Programs.

FACULTY OF EDUCATION
STATISTICAL SUMMARY OF REGISTRATIONS IN
CONTINUING AND DISTANCE EDUCATION ACTIVITIES 1986-87

Activity	Number of Events	Number of Participants
Face-to-Face	774	20,285
Video tapes	176	3,357
Radio/TV	11	Unknown
TOTAL	961	23,642

CONTINUING AND DISTANCE EDUCATION ACTIVITIES OF THE FACULTY OF FORESTRY

The downturn in the B.C. resource-based economy during recent years had an adverse effect on the continuing education activities of the Faculty of Forestry and the programs, except for credit distance education courses, had to be temporarily suspended due to lack of registration.

The upsurge in the forest industry in the last year opened up again a positive climate for professional development in the industry, and the Faculty was able to re-enter this field. Dr. J.P. Demaerschalk was appointed Director of Off-Campus Programs to re-establish and expand the Faculty's contribution to continuing education and professional development in forestry.

The continuing education activities sponsored and organized by the Faculty during 1986-87 included five symposia, three of these with world-wide participation, which attracted altogether more than 200 participants. Nine workshops on a variety of topics were held on campus, in the Lower Mainland areas, in Victoria and in Whitehorse. The combined registration was 627.

In addition to these programs, the Faculty organized a series of on campus seminars and special lectures, mentioned in the Free Public Lectures, Courses and Seminars of this report.

A special contribution was made by the Faculty to the professional continuing education program of the Silvicultural Institute of British Columbia, a non-profit society with Board members representing the Association of British Columbia Professional Foresters, government, industry, and UBC. A total of ten Faculty members devoted nine full days to workshop presentations in Surrey and Prince George, given to early- and mid-career professional foresters.

As well, the Faculty of Forestry offers the Diploma Program in Administration for Foresters, which is being delivered on behalf of the Faculty in conjunction with the parallel Diploma Program in Administration for Engineers by Continuing Education for Engineers.

The UBC Research Forest at Maple Ridge, described in more detail elsewhere in this report, provides an additional contribution to professional development and to continuing education of the general public.

Finally, the Faculty continues to offer the distance education courses, first established in 1981 and by now counting seven credit courses which in 1986-87 enrolled 157 students and two non-credit courses with 32 students (see UBC Access: Guided Independent Study).

FACULTY OF FORESTRY
STATISTICAL SUMMARY OF REGISTRATIONS IN CONTINUING AND DISTANCE EDUCATION ACTIVITIES 1986-87

Continuing Education*			
Western Red Cedar - Does It Have a Future?	July 12-14	UBC	120
B.C. Coastal Silviculture	June 10-11	UBC	100
Tree Growth in a Changing Chemical and Physical Climate	July 27-29	UBC	55
Research Forests	Sept. 24-26	UBC Research Forest	8
Whole Tree Harvesting	May 10-15	UBC	18
Microcomputer Use in Timber Harvesting	Sept. 26	Vancouver	20
Biometric Workshops	Nov. 20, Dec. 18 Jan. 29, Mar. 19 April 23	Vancouver	10
Shape Representation	Feb. 7-9	UBC	15
Fisheries Habitat Protection	May 28	Vancouver	40
Use of FORCYTE	Oct. 9, Oct. 26-28 April 27	UBC and Corvallis, Oregon	32
Meridian System Remote Sensing	Sept. 25, Nov. 27 May 27	UBC	55
Timber Supply Design	Aug. 8	Victoria	50
Sitka Spruce Weevil Research	April 15	Victoria	9
Ambrosia Beetle	Sept. 19	Vancouver	10
Caribou Management	Jan. 26-30	Whitehorse	25
Porcupine Caribou Herd	March 13-15	Delta	20
Deer Management	June 9-10	Lower Mainland	40
Diploma in Administration for Engineers	being delivered by Continuing Education for Engineers and included under that heading		
Distance Education			
Credit Courses:			
Forestry 111, 202, 203, 302, 308, 319, 405	being delivered by Guided Independent Study and included under that heading		
Non-Credit Courses:			
Manufacture of Forest Products	being delivered by Guided Independent Study and included under that heading		
Principles of Forest Land Management			
TOTAL REGISTRATION			627

*Several of these programs were offered cooperatively with other agencies and groups.

SCHOOL OF PHYSICAL EDUCATION AND RECREATION
COMMUNITY SPORTS SERVICES ADULT PROGRAM

The Community Sports Services of the School of Physical Education and Recreation operates spring and summer programs of adult instructional skills classes in golf and ice hockey. Utilizing the University's unique facilities and instructional personnel, these classes were created to provide adults with excellence in sport skill development. The School also collaborated with the Centre for Continuing Education to offer short courses in the fall and spring under the title "Fitness and Sport".

COMMUNITY SPORTS SERVICES ADULT PROGRAM
STATISTICAL SUMMARY OF REGISTRATIONS 1986-87

Adult Golf Program	106
Adult Ice Hockey	46
TOTAL REGISTRATIONS	152

MUSEUM OF ANTHROPOLOGY: EXHIBITS AND PROGRAMS

The main objective of the UBC Museum of Anthropology is to develop a high quality, high profile institution which conducts active programs in teaching, research and experimentation. Principal activities combine public programs with teaching and research in an ongoing effort to increase public access and involvement. Many of the Museum's non-credit educational opportunities and public programs are designed for the general public: adults, children, senior citizens, professional organizations, off campus students, ethnic groups, Native Indian organizations and other special interest groups. A major aim of public programming is to encourage and promote understanding and awareness of Canada's multicultural heritage.

Adult oriented activities include lecture and film series, workshops, cultural excursions, individual lectures, demonstrations, behind-the-scenes tours, identification clinics, guided gallery walks, illustrated lectures, theatre, music and dance performances, temporary and travelling exhibitions, and museum outreach or extension programs.

Three special lectures were offered in the 1986-87 period. These included a talk by Jean Auel, author of "Clan of the Cave Bear", a look at temple building in ancient Java, and Plains Indian music and dance. A one-day seminar explored contemporary Native issues in land claims, cultural rights and education. Three workshop series enabled participants to learn about techniques of basketry conservation, study the language of dress in China, India, Indonesia and Peru, as well as to examine and create Northwest Coast button blankets. These workshops were enhanced with examples from the Museum's collections. Four lecture series were coordinated by MOA staff: "How to Visit a Museum" offered a glance "behind the scenes" of the Museum; "Mykonos: Tourist Mecca of the Aegean" provided insight into this popular Greek island; "Archaeology at UBC" explored current findings in the archaeology of ancient Greece, Japan, Meso-America, Ecuador, northern Canada and coastal B.C.; and Northwest Coast Indian art and its place within the art establishment was discussed during "Tradition in a Modern World: Indian Art Today."

Demonstrations were given in Cowichan Indian knitting and Grecian pottery making. An on-going project was the carving of a massive cargo canoe by Nishga artist Norman Tait and assistants. Regular Identification Clinics provided the public with identification and conservation tips for their personal objects. The Native Youth Project workers continued to give illustrated public presentations on "Traditional Uses of the Cedar Tree", "The Potlatch: Past and Present", "Traditional and Contemporary Fishing", and "Totem Poles". Volunteer Gallery Guides gave regular introductions to the Museum's collections from September through June.

Special music and theatre performances were given by the Vancouver Cantata Singers, creative writing students, Walter Zuber Armstrong, the Museum's anthropological clowns Garbanzo and Koko, visiting scholars from Asia, Evelyn Roth, and other local artists. Open House 1987 attracted over 11,000 visitors to MOA over three days. Visitors were invited to take part in rediscovering Northwest Coast painted art, textile collecting and display, archaeology and tool making, conservation techniques, Native Youth presentations, and music and dance performances. Fifteen Sunday programs included an illustrated talk on Cowichan Indian knitting, ethnic music and dance, story telling, classical and jazz concerts, drama and demonstrations.

Eight temporary exhibits were installed in the 1986-87 year: "Jack Shadbolt and the Coastal Indian Image", "Our Eldest Elders", "Bill Reid: Beyond the Essential Form", "Cowichan Indian Knitting", "Grecian Urns", "Discovering MOA", "The Third Eye", and "Jane Ash Poitras: Sweatlodge Etchings". In addition, museum studies students created and installed three exhibits: "The Hindu Divine: Gods and Goddesses in Indian Art", "The Flute and the Sword", and "The Literary Heritage of Hinduism". Recent acquisitions to the Museum's collections were featured in nine "mini" displays. The non-visiting public were served by four travelling exhibits: "Cedar: The Great Provider", "Changing Tides", "New Visions", and "Cowichan Indian Knitting". These exhibits are being circulated to museums throughout B.C. and Canada. Other

extension exhibits include ongoing installations at Vancouver International Airport, the UBC Acute Care Hospital, and the Asia Pacific Foundation. The Print-Out Art Loan Program placed thirty contemporary Northwest Coast silkscreen prints in six corporate and government offices.

The Prison Outreach Program, sponsored by Correctional Services of Canada, provided programs and activities to Native inmates in five Lower Mainland correctional institutions.

The Museum also served the public through publications, video productions, videodisc experimentation and labelling devices, and a variety of education kits for school age children. Some enhance the experience for Museums visitors, others reach a wider public.

The Museum of Anthropology continues to sustain its reputation for being one of the most active museums in North America through innovative service to the general public and academic community.

MUSEUM OF ANTHROPOLOGY
STATISTICAL SUMMARY OF PARTICIPATION
IN PROGRAMS 1986-87*

Single Lectures	137
Seminars/Workshops	68
Lecture Series	78
Identification Clinics	110
Guided Gallery Walks	2,640
Native Youth Project Presentations	284
Receptions/Openings	1,838
Barbecues	3,770
Sunday Programs	1,336
Escorted Visits/Tours	5,313
TOTAL	15,574

*Figures for off campus exhibits are not available.

Total Museum attendance September 1, 1986 to August 31, 1987 was 149,842.

UBC BOTANICAL GARDEN

During the academic year 1986-87 the Garden has maintained its high profile in both the University community and the public sector.

This spring we offered 7 workshops to the public covering topics from "Basic Botany" to "Vegetable Gardening". All were well attended and involved a total of 122 registrants.

The Hortline is our garden information line, which is staffed by a Plant Science student for the summer, and by our Friends of the Garden during the fall, winter and spring. Total operating time for the year was 288 hours during which time 6,850 horticultural enquiries were answered, along with 386 walk-in enquiries, and 357 letters. When the line is not being answered, there is a pre-recorded current gardening tip, updated weekly; some 1,900 people received these tips.

Hortline was also on location at four special open days held at the Garden during the summer months, and a further 300 people took advantage of it.

The Friends of the Garden, our volunteer organization, conducted 70 tours of the Garden to special interest and school groups. Some 600 people participated in the special tours on our four summer open days. The Friends also held another in their series of Special Lectures which drew an audience of 250; their Annual Student Plant Sale attracted in excess of 2,000 university students to the Garden. Last, but not least, they organized the first ever international conference directed especially to garden volunteers, which attracted 110 registrants. Garden staff gave 24 tours of the Garden, six lectures to specialized Garden clubs, 15 special seminars for the B.C. and Canadian nursery trades and 9 lectures to U.S. nursery trades organizations.

The Plant Introduction Scheme, initiated by the Garden and the B.C. Nursery Trades Association, continues to be successful. There are now 6 plants released in the market and some one and a half million plants have been propagated and sold.

We also continue to co-host a weekly half-hour gardening show on CBC Television called The Western Gardener, which is seen across Canada. It generated 900 letters of garden enquiries which are answered by a Plant Science student and the co-host of the program.

FREE PUBLIC LECTURES, COURSES AND SEMINARS

Many faculties, academic departments and institutes offer lectures and seminars, free of charge, and open to faculty, staff, students, professionals in the field and to the general public. Attendance at these events varies considerably from two to three non-university participants to several hundred in the larger public lecture series. The lecturers are UBC faculty or visiting professors.

If is very difficult, if not impossible, to have a record of the literally hundreds of lectures and seminars held during the course of an academic year, and of the number of non-university participants. This report can only attempt to highlight the major public lecture series and to offer examples of other activities in this area that have attracted professionals and members of the general public. There can be no doubt, however, that these events constitute another important service rendered by the University to the community.

The Cecil H. and Ida Green Visiting Professorship Lectures

A fund established by Cecil H. and Ida Green enables the University to bring to the campus outstanding scholars and researchers from Canada and abroad. In addition to being available for consultation and informal seminars for the University community, the visiting professors give free public lectures. The following were the visiting lecturers in 1986-87:

Professor David Braybrooke, Professor of Philosophy and of Political Science at Dalhousie University, recognized as one of Canada's most distinguished political philosophers; Sir Alan Cottrell, Master of Jesus College, Cambridge, probably the most well-known figure in metallurgy in the past 50 years in Britain; Dr. Keith Griffin, President of Magdalen College, Oxford and Director of the Contemporary China Centre, a prominent development economist with a special interest in the issue of poverty and income inequality in the Third World; Dr. Donald Mitchell, author, broadcaster and TV commentator, an iminent music historian and leading authority on the lives and works of Benjamin Britten and Gustav Mahler; and Dr. George Bain, Professor of Industrial Relations and Chairman of the School of Industrial and Business Studies at the University of Warwick, a distinguished scholar who has made many contributions to the study of unionism and collective bargaining.

These outstanding visitors gave a total of 20 public lectures and seminars which attracted 3,130 attendees.

Computing Centre Non-Credit Courses

As in previous years, the Computing Centre offered three series of short non-credit courses on the use of its facilities. Forty-five courses were offered this year, attracting 2,346 participants. The courses are primarily directed towards UBC faculty, graduate students and staff, but are open to the public and attract a good number of off campus participants.

Institute of Applied Mathematics

The Institute again organized in 1986-87 the Applied Mathematics Seminar, with 25 sessions. Fifteen sessions of Optimization Seminar also were held in this year. The Institute also was a sponsor of the "Sixth Annual Pacific Coast Resource Modelling Conference", held on campus June 11-13, with more than 100 participants from as far away as Japan. The Institute continued with its publishing program, with 5 new titles in the IAM Technical Report series.

Other Selected Activities

The following are examples of conferences, seminars, short courses, workshops, lectures and other events organized by academic departments and open to the public.

The Asian centre continued to serve as an ideal setting for a large number of lectures, seminars, exhibits, performances and film showings, organized by UBC academic departments and student clubs, as well as by off campus groups.

The Department of Anthropology and Sociology carries out most of its public education activities through the Museum of Anthropology, featured elsewhere in this report; in addition the department sponsored several lectures open to the general public as well as the University community.

The Department of Economics sponsored this year one Woodward Lecture, in January 1987, on "Deterministic Chaos" by Paul Samuelson (MIT).

The Department of English, in cooperation with the Western Canadian Deans of Graduate Studies, organized an "International Symposium on Malcolm Lowry", held at UBC May 10-13. The department also hosted the annual colloquium, sponsored jointly by UBC, Simon Fraser University and University of Victoria on February 6-7; the theme this year was "Drama: Text and Performance".

The Department of Fine Arts presented six visiting lecturers in public events. The department also organized a major international conference "Hot Paint for Cold War: Paris-New York-Montreal, 1945-1964", co-sponsored with the Emily Carr College of Art and Design, held September 25-27 with some 300 participants from Canada, the United States and France.

The Department of Geography organized the "8th Annual Slope Hazards Investigation Trip, Green River and Pemberton Valleys", on September 26. It also sponsored a half-day visit with University Hill Secondary School teachers in May.

The Department of Germanic Studies presented eleven visiting lecturers from Austria, Germany, the Netherlands and Sweden.

The Department of Philosophy offered this year three public lectures by visiting academics from abroad, as well as other public lectures.

The Department of Psychology organized a series of 25 colloquia, many of which featured visiting scholars from Canada and abroad.

The Committee for Medieval Studies of the Faculty of Arts organized the sixteenth annual Medieval Workshop in November; the theme of the 1986 workshop was "Rusticus: The Image of the Peasant in the Middle Ages".

The Institute of International Relations sponsored three lectures and one seminar by visiting academics from Canada, England, United States and West Germany.

The Department of Chemical Engineering organized a one-day workshop on "Fluidized Bed Combustion" on May 27.

The Department of Electrical Engineering sponsored a series of nineteen seminars on a variety of topics, attended by faculty and professionals from the field.

The Department of Zoology was a sponsor of the "Council of Biology Editors Meeting" May 8-12.

The Statistical Consulting and Research Laboratory (SCARL), operated by the Department of Statistics, provides statistical advice to both UBC and off campus researchers. SCARL plays an active role in continuing education on and off campus, giving seminars and workshops to various departments, research groups, and teaching hospitals which are involved in quantitative research.

The Department of Clinical Engineering sponsored a lecture on the "Computerized Driver Assessment Module (CDAM)" on June 10, attended by representatives from ICBC, the Workmen's Compensation Board, the Motor Vehicle Branch, the Ophtamology Society, and the B.C. Safety Council.

The Department of Oceanography organized a "Workshop on Coastal Oceanography and Its Implications for Fish Farming" on June 26 for 60 participants from local aquaculture companies and the provincial Ministry of the Environment, and the "Oceanography Industry Liaison Day" on March 5 for 20 participants from local industry and federal and provincial departments.

The Faculty of Forestry carried on with its annual series of open seminars held Wednesday noon from September to April and attracting participants fom UBC, other universities, industry, government and research institutes. It also sponsored three special lectures, the Leslie L. Schaeffer Lecture in Forest Genetics, H.R. Macmillan Lecture, and Burgess-Lane Memorial Lecture which featured visiting scholars.

In addition to programs offered through the Centre for Continuing Education, the School of Community and Regional Planning organized three conferences in 1986-87: "Conference on Fisheries Co-Management", May 8-10, which attracted 50 participants; "A Place to Call Home: A Conference on Homelessness in B.C.", May 15-16, with 225 participants; and "UBC Conference for Professional Planners", November 13-15, with 110 participants.

The School of Architecture, in cooperation with the B.C. Energy Task Force/AIBC/ASHRAE, sponsored a one-day symposium "Indoor Environmental Quality: Professional Responsibilities and Liabilities".

The School of Library, Archival and Information Studies organized 12 lectures on topics of interest to practicing members of the library profession, UBC faculty and students in the School.

The School of Nursing held the annual Marion Woodward Lecture on March 5; this year's topic was "Nursing Science and Nursing Practice: A Reciprocal Relationship".

The Centre for Metallurgical Process Engineering continued with the Distinguished Lecturer series, established last year. Nine lectures were held in 1986-87 and attracted participation from the University community as well as from the industry. The Centre also sponsored the annual "Continuous Casting of Steel Billets, Blooms and Slabs" short course on March 23-27, with 40 participants from all parts of North America, as well as from England, Japan, South Africa and Mexico.

The Centre for Transportation Studies organized a seminar on "West Coast Marine Industry: Status, Research Requirements and Opportunities" in December, attended by 35 participants from marine industry and related research areas. In May the Centre co-sponsored with the B.C. Aviation Council a one day seminar on "Airport Management", attended by 125 people.

The Graduate Program in Neuroscience and the Neuroscience Discussion Group organized 9 seminars of interest to the University community as well as to neuroscientists and neurologists in the medical community.

Health Sciences sponsored the Annual John McCreary Lectureship, which included a public lecture on "Teenagers in Distress" on September 25, given by Dr. Carol Nadelson, Professor and Vice-Chairman of the Department of Psychiatry, Tufts University.

DEMONSTRATIONS, SCIENTIFIC EXHIBITS AND PUBLIC INFORMATION SERVICE

Several faculties and departments provided demonstrations and scientific exhibits for the public and also offered public information services on a large scale.

UBC Research Forest

The 5,157 hectare forest, established in 1949 at Maple Ridge and managed by the Faculty of Forestry, provides optimal environment for research, education and demonstration in all aspects of the forest sciences. The Forest provided a series of day tours for the general public, with the help of the B.C. Ministry of Forests and the Canadian Institute of Forestry; more than 700 people visited the Forest to take advantage of guided walks through Demonstration Forest areas. Technological institutes and community colleges also made a number of visits to the Forest. Field exercises were undertaken by students from the B.C. Institute of Technology.

Geophysics and Astronomy Displays and Tours

The UBC Observatory continued its popular open nights program every Saturday year round, the finest regular observing program in Western Canada. The scheduled "Observatory Tour", which includes the Geophysical Observatory with the Lower Mainland Seismic Array and active earth gravity and magnetism displays, and the Astronomical Observatory, remain popular. The Geophysic and Astronomy Departments' Information Line handled hundreds of calls on topics from earthquakes to black holes.

The Geological Museum

The Museum has a fairly elaborate booth which offers specimen and information. Public attendance in 1986-87 was around 4,000.

Faculty of Agricultural Sciences Information Services and Tours

The Faculty continued with the tours of the UBC Dairy Cattle Teaching and Research Unit, co-sponsored by the B.C. Dairy Foundation; the scheduled tours all summer and special tours by request during the rest of the year attracted some 3,000 people, many of them school children. Quail from the Quail Unit of the Department of Animal Science were featured at the Pacific National Exhibition and the Royal Manitoba Winter Fair; in addition, several tours were offered throughout the year. A number of visitors from abroad were given demonstrations and presentations for the MERIDIAN image analysis and Terrasoft G.I.S. in the Forestry Remote Sensing Lab.

The Botanical Garden

The Garden continued to operate its garden information telephone line, Hortline, which answered 6,850 enquiries; additional 1,900 callers received a prerecorded gardening tip at times when the line was not staffed. As well, 386 walk-in and 357 mail enquiries were answered. The successful weekly half-hour TV show on CBC, The Western Gardener, continued to be co-hosted by the Garden.

UBC Mechanical Engineering "Energy Van"

The "Energy Van" participated in the Open House of the Pacific Biological Station of Fisheries and Oceans in Nanaimo, and made visits to fishermen around Vancouver, Steveston and Victoria.

PUBLIC CONCERTS, THEATRE PERFORMANCES AND ART EXHIBITS

The University of British Columbia contributes to the cultural life of the Lower Mainland and beyond through a large number of public concerts, theatre performances and art exhibits. The comprehensive activities of the Museum of Anthropology in this area are outlined elsewhere in this report.

School of Music, Public Concerts

The School of Music offers an extensive, varied program of public concerts and recitals both on and off campus. In 1986-87 the School presented 169 free concerts for the general public and the University community. Among the distinguished artists and groups giving performances were: 14-year-old Canadian violinist Corey Cerovsek; oboist Lawrence Cherney, presented with the assistance of the Touring Office of the Canada Council; the Guildhall String Ensemble; organist Johannes Somary; pianists Michael Boriskin, James Alexander Manson, and Stan Fisher; guitarist Stephen Boswell; cellist Parry Karp; composer/pianist Diana McIntosh; the Purcell String Quartet; violist Steven Dann; violinist Yuval Yaron; baritone George E. Evelyn Jr.; and violinist Gwen Thompson-Robinow.

This year, the School initiated a Faculty Concert Series spotlighting our most distinguished performance faculty. Each concert, in this series of five, was preceded by a free information lecture covering the music to be played.

Special lectures and master clssses, open to the public, were held throughout the year. In collaboration with the Italian Cultural Institute, Luciano Berio, one of the most famous composers of our time, presented master classes and, on October 18, a concert of his works accompanied by musicians and dancers of the Musicus Concertus of Florence, Italy. In November, Brian Cherney, one of Canada's premier composers, took part in a week-long Canadian Music Festival, the School's contribution to the International Year of Canadian Music. Dennis Simons, concertmaster of the BBC Philharmonic in London, England, visited us for a series of master classes and a solo recital. Under the auspices of the Cecil H. and Ida Green Visiting Professorships, Professor Donald Mitchell, eminent English music historian and leading authority on the lives and works of composers Benjamin Britten and Gustav Mahler, visited the campus to present lectures and colloquia. The German new music ensemble Trio Basso, in collaboration with the Vancouver Society for New Music and the Goethe Institute, presented a workshop and concert for interested students and the general public. Philip Myers, principal french hornist of the New York Philharmonic, gave a recital and conducted master classes which were of interest to all wind players. In January, the Armin Strings presented a workshop for string instrumentalists on their new RAAD electronic stringed instruments. Pacific Rim Seminars, a series of masterclasses for singers was given by the highly regarded vocal teacher and coach, Joyce McLean.

Two workshops afforded British Columbia's finest young musicians an opportunity to work with faculty and students of the School. The successful joint orchestral workshop of the UBC Symphony Orchestra and the Vancouver Youth Orchestra was repeated this year, with Gerald Stanick as conductor of a public concert which was the culmination of the workshop. The fourth annual UBC Band Festival, conducted by Professor Martin Berinbaum and guest Morrie Backun, and featuring selected Grade 11 and 12 musicians from various parts of B.C., took place October 24 through 26.

Tours of the School of Music ensembles aid cultural development in outlying Canadian communities. This year, the Chamber Singers, under the directorship of Professor Cortland Hultberg, travelled throughout central British Columbia giving concerts and workshops for over 5,500 people, in Osoyoos, Oliver, Penticton, Summerland, Kelowna, Vernon, Kamloops, Sicamous, and Salmon Arm. The UBC Wind Symphony, under the directorship of Professor Martin Berinbaum toured Vancouver Island visiting Campbell River, Nanaimo, Gold River, Shawnigan Lake, and Victoria.

Once again the Vancouver Society for Early Music and the UBC School of Music combined to co-sponsor the twelfth annual Vancouver Early Music Program, recognized as one of the major early music summer

events on the continent. The program consisted of three workshops: the Baroque Workshop, the Medieval Workshop, the Early Music and Dance Workshop, and the Vancouver Early Music Festival, a series of six concerts involving the faculties of the workshops and guest ensembles such as England's Trio Sonnerie and Vancouver's New World Consort and CBC Orchestra. Members of the faculty included Sequentia (Benjamin Bagby, Barbara Thornton, and Margriet Tindemans), Monica Hugget, Sarah Cunningham, Sand Dalton, the New World Consort, and Colin Tilney.

Department of Theatre, Public Productions

Some 22,000 persons (students, UBC faculty and staff, and the general public) attended theatre productions sponsored by the Theatre Department. During 1986-87 the following plays were presented:

Frederic Wood Theatre

BLOOD RELATIONS by Sharon Pollock
September 17-27

THE CRUCIBLE by Arthur Miller
November 12-22

THE SCHOOL FOR WIVES by Molière
January 14-24

THE WINTER'S TALE by William Shakespeare
March 4-14

Stage Campus '87

AN APPOINTMENT WITH DEATH by Agatha Christie
May 27-June 6

WHAT THE BUTLER SAW by Joe Orton
June 17-27

BONJOUR LA, BONJOUR by Michel Tremblay
July 8-18

TEN LOST YEARS by Barrie Broadfoot
July 29-August 8

Other Theatre Performances

The Department of Creative Writing presented "Sideshow", a performance of original skits and songs written by student playwrights and song writers.

The Department of Hispanic and Italian Studies performed two plays during UBC Open House: "Dos historias para ser contadas" by Osvaldu Dragún and "La tabernera y las tinajas" by J.M. Rodrígues Méndez.

The Musical Theatre Society, MUSSOC, presented "Carousel" by Rodgers and Hammerstein; the production involved students from both, the Theatre Department and the School of Music.

In addition, numerous one act plays related to course work were given public performances at which there was no admission charge.

Readings of Poetry, Fiction and Plays

The Department of Creative Writing sponsored several readings. Among these were readings by John McGahern, Irish novelist and short story writer; William McIlvanney, Scotland/Canada Exchange writer at Simon Fraser University, novelist, poet and BBC documentary and screen writer; Linda Wikene Johnson, graduate of the department; and Ralph Gustafson, the celebrated dean of Canadian poetry.

The Department of English sponsored a program of readings by 14 novelists, dramatists and poets. Among these were Ted Hughes, Sharon Pollock, Douglas Barbour, Stephen Scobie, Lorna Crozier, Robert Bringhurst, Andrew Parkin, Warren Stevenson, Josef Skvorecky, Timothy Findlay, David Arnason, Duncan McNaughton, Colin Stuart, and Michael Bullock. The reading by Sharon Pollock was sponsored jointly with the Department of Theatre.

Exhibitions in the Fine Arts Gallery

8 Sept. - 8 Nov. 1986	Judith Lodge: Life Jackets
18 Nov. - 19 Dec	Sally Michener: The Company She Keeps
13 Jan. - 8 Mar. 1987	Aspects of Contemporary Canadian Art from the Collections of the University of Calgary at the Nickle Arts Museum
17 Mar. - 1 May	Entries for the Canadian Clay and Glass Gallery Architectural Competition
29 June - 14 Aug.	Heritage Quilts from the Agnes Etherington Art Centre, Queen's University

MEETINGS OF LEARNED AND PROFESSIONAL SOCIETIES

The attractive UBC campus serves each year as the location for a number of international, North American, national and regional meetings of learned and professional societies. Many of these meetings, which among others satisfy the continuing education and professional development needs of their members, involve numbers of UBC faculty on planning committees and as resource people. Several of these meetings each year are officially co-sponsored by departments or faculties of the University. This category of the report attempts to outline examples of meetings of learned and professional societies which officially involved UBC units in 1986-87.

The Department of Mechanical Engineering co-sponsored with the Combustion Institute, Canadian Section, the "1987 Spring Technical Meeting" on May 28-29.

The School of Library, Archival and Information Studies, in cooperation with the National Library of Canada and the Canadian Library Association's Serials Interest Group, organized the "Second National Newspaper Colloquium" on June 11.

The Department of Chemistry sponsored the "30th National Organic Symposium of the American Chemical Society" on June 21-25, the first time this symposium has been held outside the United States; more than 800 participants attended. The department also organized the "4th IUPAC Symposium on Organometallic Compounds in Organic Synthesis" on July 26-30, with 400 participants.

The Department of Geological Sciences organized the technical program of the International Union of Geodesy and Geophysics in August; a technical program of 4,000 words was organized by Dr. L.R. Armstrong.

The Department of Physiology sponsored the "6th International Symposium on Gastrointestinal Hormones" on July 6-10 and the "30th International Congress of Physiological Sciences" on July 13-19.

The Department of Medical Microbiology sponsored a one-day workshop during the "Biennial Conference of the Community and Hospital Infection Control Association".

PROVINCE-WIDE CONTINUING EDUCATION SERVICES

As in the past years, and in spite of the still difficult financial situation, UBC faculties, schools and departments provided continuing education to residents in non-metropolitan areas in 1986-87. This important continuing education effort was aided in part by provision of specially designated funds for non-metropolitan programs from the Ministry.

UBC Access: Guided Independent Study served 1,193 students in some 50 credit and two non-credit courses. With the recent establishment of the Open University, The University of British Columbia agreed with the Open University on the transfer of all first and second year distance education courses in Arts from UBC to the OU at the end of August 1987. UBC will concentrate its distance credit education on third and fourth year courses in the Faculty of Arts and on courses in the professional faculties. Half of the BSN degree completion program for post-RN students now is available by distance education. The first two credit distance education courses in Agricultural Sciences were opened. Courses are now available by distance education in four of the professional degree programs: Agricultural Sciences, Education, Forestry and Nursing.

The Faculty of Agricultural Sciences introduced the first stage in the conversion of on-site courses to print-based courses with complementary Knowledge Network broadcasts. Eventually, all first and second year courses in Agricultural Sciences will be available by distance education. One new non-credit distance education course, Salmonid Culture, registered 233 participants. In addition to distance education, the Faculty continued with its workshop and conference program in non-metropolitan areas.

The Faculty of Education continues to be the major contributor to province-wide delivery of professional development. In addition to numerous workshops and other events which served more than 13,000 teachers, the Faculty-produced video tapes were used by additional 3,357 teachers for in-service training.

The Division of Continuing Education in the Health Sciences also continued with its important service to health professionals throughout the province. All in all, 169 courses were held off campus, with 5,833 participants, a significant increase. This effort would not be possible without the innovative network of regional co-ordinators, which the Division developed in the last few years.

The Faculty of Commerce and Business Administration, through its Professional Programs, offered again in 1986-87 a considerable program of correspondence courses in accounting and real estate, reaching many individuals throughout the province.

The School of Social Work carried out a survey of training needs in areas beyond the Lower Mainland, as a preliminary to expansion of in-service training programs to non-metropolitan areas in 1987-88.

Through this ongoing delivery of continuing education to many parts of the province, The University of British Columbia demonstrates its commitment to the province-wide mandate bestowed upon it by the University Act.

UBC SPEAKERS BUREAU

The UBC Speakers Bureau, funded by the University, has been administered for the past 12 years by the UBC Alumni Association during which time the Bureau has arranged more than 3,500 speaking engagements for schools, senior citizen groups, preschools, professional associations, hospitals and other organizations.

In 1986-87 the Speakers Bureau filled some 200 requests for speaking engagements with estimated total audience of 5,000.

In the spring of 1987 the UBC Speakers Bureau was transferred from the Alumni Association to the Community Relations Office.

THE UNIVERSITY OF BRITISH COLUMBIA
STATISTICAL SUMMARY OF REGISTRATIONS IN CONTINUING EDUCATION PROGRAMS 1986-87

	Credit	Non-credit
Office of Extra Sessional Studies	10,023	
Faculty of Education Off Campus Credit Courses	1,102	
UBC Access: Guided Independent Study	1,161	32
Centre for Continuing Education		29,557
Division of Continuing Education in the Health Sciences		13,503
Professional Programs of the Faculty of Commerce and Business Administration		9,090
Professional Continuing Education Program of the School of Social Work		806
Professional Continuing and Distance Education Program of the Faculty of Agricultural Sciences	20	1,055
Professional Continuing and Distance Education Program of the Faculty of Education		23,642
Professional Continuing and Distance Education Program of the Faculty of Forestry		627
School of Physical Education and Recreation Community Sport Services Adult Program		152
TOTAL REGISTRATION IN CONTINUING EDUCATION PROGRAMS	12,306	78,464